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ABSTRACT

The "Year of the Environment" outreach campaign--OPERATION EARTH--is designed to encourage local and individual involvement in environmental activities and to enable public television stations, along with educators and local environmental groups, to develop local outreach plans which meet the environmental needs of the community they serve. This compendium has been designed to assist educators, librarians, community groups, public television stations, and families in their efforts. Resources are listed under the following headings: (1) "Broadcast Programming"; (2) "Telecourses and Professional Development Programming"; (3) "Public Service Announcements"; (4) "Nonbroadcast Programming"; (5) "Slide Shows and Filmstrips"; (6) "Books for Grades K-12"; (7) "Resource Periodicals and Publications"; (8) "Reports and Information Packets"; (9) "Posters"; (10) "Special Projects and Teacher Resources"; (11) "Computer Resources"; (12) "Environmental Groups and Program Distributors"; (13) "Environmental Education Resource Facilities"; and (14) "Station Outreach Ideas for the K-12 Population." Costs and availability of each of the materials listed in each section are provided. (CW)

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ENVIRONMENTAL
RESOURCE COMPENDIUM

OPERATION EARTH

U.S. DEPARTMENT OF EDUCATION
Office of Educational Research and Improvement
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The Federation Pledge

I pledge myself, as a responsible human, to assume my share of the stewardship of our natural resources.

I will use my share with gratitude, without greed or waste.

I will respect the rights of others and abide by the law.

I will support the sound management of the resources we use, the restoration of the resources we have despoiled, and the safe-keeping of significant resources for posterity.

I will never forget that life and beauty, wealth and progress, depend on how wisely we use these gifts...the soil, the water, the air, the minerals, the plant life, and the wildlife. This is my pledge!

National Wildlife Federation

INTRODUCTION

January 1990 marks the beginning of the "Year of the Environment" on public television. PBS, the Public Television Outreach Alliance (PTOA), public television stations and a host of environmental partners nationwide will be working together to encourage viewers to protect the environment and our future on Planet Earth.

The "Year of the Environment" outreach campaign — OPERATION EARTH — is designed to encourage local and individual involvement in environmental activities; and to enable public television stations, along with educators and local environmental groups, to develop local outreach plans which meet the environmental needs of the community they serve.

This Environmental Resource Compendium, created by the PBS Elementary/Secondary Service in conjunction with the PTOA, has been designed to assist educators, librarians, community groups, public television stations, and families, in their efforts to educate and to heighten awareness and concern by all citizens of the need for local action.

Among the activities planned to support OPERATION EARTH are the following:

- The distribution of more than 35 hours by the PBS National Program Service (NPS) of new limited series and specials on the environment. In addition, several regular public television series will include episodes focusing on environmental problems and issues.

- The airing of PROFIT THE EARTH, an hour-long documentary that forms the cornerstone of this outreach project. The documentary is about people with controversial new ideas: environmentalists who believe we can harness market forces to protect our environment; business people who are making profits by stopping pollution before it begins; entrepreneurs who are finding business opportunties in the environmental crisis; and grass-roots economists who are working to eliminate government subsidies to businesses and industries that harm the environment.

- Distribution of PBS repeat programs on the environment will be made available to stations, upon request, throughout the year. During the summer of 1990 PBS Encore will offer satellite distribution of a daily strip of environment programming. PBS Encore is also working with KTCA to collect and distribute local productions that deal with environment themes.

- The offering by the PBS Adult Learning Service of three college level telecourses, and a video conference in conjunction with PTOA and the Environmental Protection Agency (EPA).

- The introduction of ICEWALK, by the PBS Elementary/Secondary Service (ESS), a major new instructional television series for junior and senior high school students.

- The distribution of this compendium, by the PBS Elementary/Secondary Service and PTOA, which includes extensive listings of: broadcast and non-broadcast environmental programming; nonbroadcast video programs for rental or purchase; resource organizations and agencies committed to preserving the environment; bibliography listings for students in grades K-12; computer resources; curriculum resources for educators; and much, much more!

- The distribution by the PBS Elementary/Secondary Service of Winter/Spring 1990 and Fall 1990 editions of PBS "Tune-In Guides," highlighting PBS primetime programming with educational value for schools, families and libraries, with a special emphasis on environmental programming.

This compendium may not be duplicated for commercial purposes. Information contained within may be excerpted by nonprofit educational institutions for inclusion in newsletters, fliers, and other community outreach materials.

Public television stations, educators and community groups are encouraged to contact the groups listed in Section XII to obtain additional information on the resources they offer.

Additional copies of this compendium may be obtained by sending a $10.00 check or money order, with mailing label, to PBS Elementary/Secondary Service, Dept. Comp., 1320 Braddock Place, Alexandria, VA. 22314.

This Compendium was printed on recycled paper.

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ENVIRONMENTAL RESOURCE COMPENDIUM

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U.S. Schools Need to Address Global Environmental Issues

by William K. Reilly, Administrator U.S. Environmental Protection Agency

"The Earth is one but the world is not," reads the first line of the World Commission on Environment and Development's 1987 landmark report entitled Our Common Future. That sentence defines in a wonderfully poetic way one of the major challenges facing the human race as we near the end of the 20th century. It also suggest why the study of global environmental issues should be an important part of the science and social science curricula in schools all across the country.

The Earth is indeed one. The atmosphere, the oceans, and all the species of life that coexist on this planet are linked in infinite and subtle ways. The health of the human species is not independent of the health of plant and animal life. And the way we live our lives — as individuals and as a nation - affects the well-being of other people living elsewhere on the globe.

The oneness of the Earth is not merely environmentalist philosophizing. Events of the past few years have shown that linkages - among ecosystems and among people - are very real. We now know that the Earth's ability to sustain life is being affected by activities as diverse and farflung as electricity generation in the Ohio River valley, rice production in the paddies of China, and forest clearing in the Amazon River basin of Brazil. The protection of the shared global ecosystem is one of the most serious - and immediate - problems facing the community of nations.

But, as the World Commission noted, the world is not one. It is very difficult for nations to overcome their longstanding political, religious, economic, and cultural differences and join together in their common environmental interest. Ecosystems do not recognize political boundaries. Neither does pollution. But people everywhere are going to have to work within their own existing political systems to make the kinds of choices needed on a global scale to protect the global environment.

That's one reason why education is so important. Environmental problems, such as stratospheric ozone depletion, global warming, deforestation, and ocean pollution, may be global in scope, but solutions depend in large part on the actions taken by millions of people everywhere in the course of their daily lives. And people will not change their lifestyles to protect the global environment until they understand the part they are playing in its degradation, and the part they can play in its improvement.

Take global warming as an example. Scientists are now fairly certain that increases of carbon dioxide, methane, chlorofluorocarbons, nitrous oxides, and other gases in the atmosphere have caused the average global air temperature to rise by about one degree (Fahrenheit) over the past century. They are confident that over the past century the four warmest years, globally, all occurred in the 1980s, and 1988 may have been the warmest of all. Computer models suggest that average global temperatures may be another four degrees higher by 2020, which probably would make the world warmer than at any time in recorded history. The ecological and economic implications of such a climate change are staggering.

The causes of this global warming trend are varied; deforestation, current agricultural and animal husbandry practices, and fossil fuel combustion of all kinds, to name a few. The solutions to the problem are equally varied: reforestation, improved agricultural practices, improved energy efficiency, fuel switching, and so on. But all such solutions will require the involvement of people who understand the technical issues and who are wiling to take action in their personal, professional, and community lives.

In this regard, the nation's educational system - especially through its science and social science curricula - could be of enormous help. Students of all ages need to learn about the environmental effects of different kinds of fuel use and the options available for reducing that fuel use because, for years to come, they will be using fuel to heat, cool and light their homes. They need to learn of the economic and environmental trade-offs among different modes of transportation because, for years to come, they will be voting on bond issues for local transportation systems. Global climate in the next century undoubtedly will be affected by the real-world choices made by individuals and communities everywhere. It is essential, then, that these choices be made with the fullest possible knowledge of their economic and environmental consequences, now and in the long term, here and around the globe.

In addition to raising the public's general understanding of the global environment, the nation's educational community can play another equally important role. School curricula that emphasize the global environmental dimension will give students a broader context in which to prepare for their careers. As architects and urban planners, they will need to understand not only the technical principles of energy conservation but the value of its wide-scale application. As engineers of all kinds, they will need to understand not only the immediate economic advantages of productivity and efficiency improvements but the long-term environmental benefits involved as well. Farmers, foresters, and land developers will need to understand the costs of clear-cutting and agricultural burning and the benefits of reforestation and less energy-intensive agricultural practices.

In testimony before the U.S. Senate last March, I said that no single technology or policy can have a significant effect in mitigating the global warming trend; the sources of the problem are simply too varied. But in the case of global warming and other global environmental problems that we face in the 21st century, there is one step that we must take if we hope to preserve the habitability of the planet: we must educate the people. Without a clear, widespread understanding of the causes of and solutions to environmental degradation worldwide, our remedies will be piecemeal and disjointed. The Earth is one, and the world is not. But through a strong educational effort, we should be able to strengthen our national efforts to protect the global environment.

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SECTION I: BROADCAST PROGRAMMING

(Programming from PBS National Program Service, PBS Encore and PBS Elementary/Secondary Service)

Note: PBS "Tune In Guides," distributed each fall and winter broadcast season, are designed to extend the educational use of selected PBS primetime programming in schools, libraries, and in homes. The 1990 Winter/ Spring and Fall editions of the "Tune In Guides" will feature programming related to the "Year of the Environment" campaign. The "Tune In Guides" provide series descriptions; program titles; information about recording rights and related educational materials and viewing tips that will allow teachers, librarians and families to plan activities and assignments using the programs as a base.

Educators are encouraged to contact local public television stations to receive a copy of the "Tune In Guides." The one-page guides were sent directly to all station ITV directors to be customized with logos and specific schedule information for local use with members, schools, and libraries.

NATIONAL PROGRAMMING ON THE ENVIRONMENT
(Check local listings to confirm date and time)

ADVENTURE (two 60-min. programs from WGBH) - Covers Tina Mathison's journey through the Everglades and Africa and Jonathan Maslow's walk through the Darian Gap Rainforest between Columbia and Panama. Date TBA.

ALASKA'S KILLER WHALES (one 30-min. program) - Shot in and around Prince William's sound (before the Exxon Valdez disaster), this program examines killers whales and their relation to humans. William Shatner narrates. Nov. 8, 1989

THE AMERICAN EXPERIENCE (two 60-min. programs)
#209 "Yosemite - The Fate of Heaven" - This stunning portrait of Yosemite National Park illustrates the often conflicting issues of preservation and recreational use of national parks. Scheduled for Nov. 21, 1989.
#215 "Battle for the Wilderness" - this program explores the controversy surrounding the construction in 1906 of the Hetch-Hetchy Dam. Scheduled Jan. 9, 1990.

ARCTIC HAZE (one 30-min. program from KUAC) - Looks at how airborne pollution is affecting even remote areas of the Arctic. March 29, 1990.

BREAKTHROUGH ON HUNGER (tentative) (six 60-min. programs from SCETV) - Focuses on efforts to reduce poverty and hunger in the developing world (including projects that balance growing food for the population with preserving the ecological health of their land). Also examines what's at stake for the industrialized nations (particularly in the areas of economics and the environment) in the outcome of those efforts. Date TBA.

DECADE OF DESTRUCTION. A powerful and disturbing five-part series about social and ecological upheaval in the Amazon, shot over a decade by British producer Adrian Cowell. Summer, 1990.

FRONTLINE Special Series: DECADE OF DESTRUCTION (five 60-min. programs from WGBH, Central TV) - Ten years in the filming by Adrian Cowell, this series chronicles the destruction of the Amazonian rainforest. Fall, 1990.

LONG AGO & FAR AWAY: The Man Who Planted Trees. Winner of the 1988 Academy Award for best animation, this film tells the story of how one man, shepherd Elzear Bouffier, selflessly dedicates his life to growing a forest in a barren, desolate region high in the French Alps. April 25, 1990.

LOCAL HEROES, GLOBAL CHANGE. A six-part series focusing on efforts to reduce poverty and hunger in the developing world. Includes projects that balance agriculture and preservation of the environment. May 7-28, 1990.

THE MIRACLE PLANET (six 60-min. programs from KCTS/NHK) - Examines the geological history of the earth and the effect of human intervention on the environment. Hosted by Bill Kurtis. Scheduled for January 15, 1990.

MOTORWEEK - Will produce a program on alternative fuels during Spring, 1990.

MR. ROGERS' NEIGHBORHOOD (one week of programming from Family Communications) - Will look at the enviroment during the week of April 16-22, 1990. Marine Botanist Sylvia Earle takes Mr. Rogers snorkeling and he goes on a trip to a recycling center.

NATIONAL AUDUBON SOCIETY SPECIALS (four new 60-min. programs from WETA/WTBS) - Will deal with the old growth forests in the Pacific Northwest, the Arctic National Wildlife Refuge, and dolpins. To be scheduled for Summer, 1990.

NATURE: Presque Isle: Land in Motion (one 60-min. program) - A look at the problem of erosion threatening many of our beaches as embodied by Presque Isle, a spit of land that hooks out into Lake Erie. The Army Corps of Engineers have devised what they hope is a final solution: will the cure be worse than the disease?. April 1, 1990.

NATURE: Yewllowstone on Fire (one 60-min. program) - Dramatic footage of the fire that swept through Yellowstone from June through November 1988. This program examines how fire is a natural and essential part of Yellowstone's ecosystem. April 8, 1990.

NATURE: The Nature of Australia (one 60-min. program) - An encore presentation of the six-part series, exploring the exotic landscape and wildlife of the land down-under. April 22, 1990.

FOR EARTH'S SAKE: THE LIFE AND TIMES OF DAVID BROWER (one 60-min. program from KCTS) - Profiles one of America's most renowned environmentalists, David Brower, founder of Friends of the Earth and builder of the Sierra Club. The program looks at the history of the modern American environmental movement through Brower's eyes, and portrays his growth as an activist. April 16, 1990.

NOVA (two new 60-min. programs) -
#1701 "Poison in the Rockies" - This episode examines pollution of the headwaters of the rivers of the Rocky Mountains, which threatens the future of all downstream. To be scheduled Jan. 9, 1990.
#1705 "The Big Spill" - NOVA investigates last year's oil spill in Alaska. To be scheduled for February 27, 1990.

ONE SECOND BEFORE SUNRISE (one 60-min. program from Horizon Communications) - Hosted by Lynn Redgrave, presents several "success" stories of small scale projects aimed at conserving resources and improving the environment, which can be replicated at the grass roots level. To be scheduled for February 18, 1990.

PROFIT THE EARTH (wt) (one 60-min. program from Nebraska ETV and the Public Television Outreach Alliance) - Will present case studies of practical solutions to environmental problems that are either self sustaining or profit-making. Part of the larger outreach effort which will continue throughout 1990. To be scheduled for April 16, 1990.

RACE TO SAVE THE PLANET (ten 60-min. programs from WGBH) - Offers a comprehensive examination of international environmental issues. Also a telecourse through the PBS Adult Learning Service. To be scheduled for Fall, 1990.

READING RAINBOW (one 30-min. program from Lancit Media and GPN) - Will explore the efforts to save the coral reef in Florida. Scheduling TBA.

SESAME STREET (ongoing from Children's Television Workshop) - Will emphasize ecology throughout its 1989-90 season.

3-2-1 CONTACT EXTRA: THE ROTTEN TRUTH (one 30-min. program from CTW) - Examines a growing dilemma in both large cities and small towns: we are running out of places where we are willing to put our trash. The problem serves as a microcosm of the effects people have on the earth, and can be used to introduce concepts important to understanding the environment. Garbage is always with us. The show will make use of humor, music, graphic representations, animation and experiments. Drawing on children's fascination with things that are "yucky," the show will explore one young girl's discovery that trash goes somewhere, and no matter how you try to make it disappear, you can't make nothing out of something. April 12, 1990.

PREVIOUS NATIONAL PROGRAMMING ON THE ENVIRONMENT

ATLANTIC REALM (three 60 programs) - This series explores the geology and natural history of the Atlantic Ocean.

CONSERVING AMERICA (four 60-min. programs) - Profiles ordinary Americans who have taken steps to preserve the land they hold dear. Burgess Meridith narrates (see Section IV for nonbroadcast distribution information for this series).

#101 "The Wetlands" - This program examines the most mysterious, most endangered, yet richest part of America's landscape.

#102 "The Rivers" - Americans in Maine, South Carolina, Virginia and Washington talk about their efforts to preserve their "home waters."

#103 "Champions of Wildlife" - This program looks at the preservation of animal habitats in south Padre Island, Texas, and Southern Massachusetts, and a special group of children working for wildlife in Montana.

#104 "Challenge on the Coast" - This program looks at various groups that are working to clean up and save America's coastlines.

FLORIDA'S PANTHERS (one 30-min. program) - This program examines the plight of Florida's official state animal, the panther, and documents efforts by wildlife officials and private organizations to save the species from extinction.

FRONTLINE (three 60-min. programs)

#608 "Poison and the Pentagon" - (one 60-min. program) - This documentary examines the U.S. military's poor record in cleaning up the toxic wastes produced at its bases and facilities across America. .

#712 "Who's Killing Calvert City" - A look at the struggles Calvert City, Kentucky is facing with pollution, its economic future, its neighbors and the outside world.

#712 "Yellowsone Under Fire" - This program examines the impact of eight years of Reagan's interior policy on America's most famous national park.

NOVA (two 60-min. programs)

#1520 "The All American Bear" - Offers everything you ever wanted to know about the Black Bear.

#1601 "Hot Enough For You?" - This program looks at how the greenhouse effect is affecting the earth.

PELICAN RESCUE (one 30-min. program) - This program profiles efforts to save Florida's Brown Pelican.

P.O.V. #204 "Dark Circle" (one 90-min. program) - This "point-of-view" documentary exposes the growing health and safety problems at the nation's nuclear weapons plants, focusing on Denver's Rocky Flats nuclear weapons plant.

RETURN OF THE WOLVES (one 60-min. program) - Peter Coyote narrates this documentary on the plight of wolves in the lower 48 states, and the troubled efforts to reintroduce wolves into Yellowstone Park.

SEA TURTLE'S LAST DANCE (one 30-min. program) - This program documents the dangers confronting sea turtles and efforts to save the various species from extinction.

PBS ENCORE PROGRAMMING ON THE ENVIRONMENT

ACID RAINBOWS (one 30-min. program) - This program focuses on the controversy surrounding acid rain in the Western part of the U.S.

BLACK FOREST JOURNEY (one 60-min. program) - E.G. Marshall travels through the Black Forest which is threatened by two powerful environmental pollutants — acid rain and over-population.

DOWN THE SHORE (one 60-min. program) - This program investigates the crisis of waste disposal and its impact on America's coastlines.

THE FIRST EDEN (four 60-min. programs) - Sir David Attenborough explores the natural and cultural history of the oldest continually populated region on earth — the lands surrounding the Mediterranean Sea.

FUELING THE FUTURE (four 60-min. programs)

#101 "Running on Empty" - This episode examines America's love affair with the automobile and its implications for the future. The episode gives a history of the oil and auto industries conspiracy to undermine mass transit, and goes on to explore alternative fuel options including large scale mass transportation.

#102 "No Place Like Home" - This episode features two innovative architect/planners who are exploring techniques for transforming existing urban and suburban areas into livable modern villages. By closely integrating residential, business, shopping and recreation, the concept allows for a more efficient use of both human and fuel energies.

#103 "Hot Wiring America's Farms" - Heavy use of fossil fuels has allowed American agriculture to become highly productive, but may also be sowing the seeds of its ultimate destruction. Fossil fuels are leading to escalating energy costs and are causing health problems, soil erosion and water pollution. This episode features several farm food workers who are striving to lessen the energy requirements of our food production systems.

#104 "No Deposit-No Return" - This episode takes a hard look at the nation's growing waste problems — the shortage of landfill space, pollution from toxic materials and the steady hemorrhage of non-renewable resources. Recycling is explored as a measure that will slow the loss of non-renewable resources.

GREAT MOMENTS FROM NATURE (one 120-min. program, SIP) - George Page hosts a look at years of amazing wildlife footage from public television's premier wildlife series.

KEITH COUNTRY JOURNAL (one 60-min. program, expires 7/25/90) - Naturalist John Janovy, Jr. leads an exploration of the sandhills of western Nebraska.

THE MAN WHO LOVED BIRDS (one 60-min. program, SIP, expires 7/31/90) - Naturalist/photographer John Bax of Canada is seen in conjunction with his best friends: the birds of North America.

THE NATURALISTS (four 30-min. programs) - Profiles of four great American naturalists: Henry David Thoreau, Teddy Roosevelt, John Muir and John Burroughs.

NATURE 601-620 (twenty 60-min. programs)

"The Flowing Oasis" - the life-giving properties of desert rivers.

"Amazonia: A Burning Question" - A World Wildlife Fund project tries to determine minimum critical size of forest area needed to protect various forms of wildlife in the Amazon.

"Spirits of the Forest" - This programs looks at 20 different species of lemurs unique to the African island of Madagascar. "Perspectives of Paradise" - A behind the scenes look at natural history filmmaking through the experience of a film crew led by Dieter Plage as they work on the 3-part Galapagos series.

"A Season in the Sun" - A look at surviving Africa's dry season.

"The Legend of the Lightening Bird" - An in-depth look at the legendary Hammer-Head Stork of Africa's savannah.

"The Volcano Watchers" - Maurice and Katia Krafft study volcanoes by visiting them.

"Tiger" - This film unveils the natural history of the elusive Indian Tiger.

"Land of the Kiwi" - This film explores the natural history of New Zealand.

"Costa Rica: Paradise Claimed" - In one of Central America's most positive and innovative conservation plans, Dan Janzen proposes to actually grow a new national park — converting disused pasture into the complex habitat of a tropical dry forest.

"In Flight Movies/Birds of Sun Gods" - "In- Flight Movie" examines how bird's wings and flying abilities are tailored to a particular way of life. "Birds of the Sun God" examines how hummingbirds have evolved a close partnership with certain plants in one of the best examples of co-evolution discovered in the natural world.

"Hawaii: Islands of The Fire Goddess" - An examination of the evolution of an Hawaiian island.

"Okavango: Jewel of the Kalahari," three 60-min. programs.

"The Search for the Jewel" "The Living Jewel" "The New Challenge"

Millions of years ago seismic activity diverted the Okavango River to produce the greatest inland delta in Africa — the vast island of shimmering water seeping into the sands of the Kalahari Desert. The first two programs describe the formation of this unique delta and the tremendous concentration of wildlife that results from the presence of water in the desert areas. The third program looks at the impact of human intervention into the fragile ecosystem of the Okavango.

"Lord Of the Jungle" - The close relationship between man and the Asian Elephant are coming into ever greater conflict as the Asian wilderness is turned into farmland.

"The Miracle of the Scarlet Salmon" - A salmon's-eye look at the journey of a salmon from birth in a small tributary, through the trip down rapids to the Pacific, to the return trip two year later to spawn.

"Cowboys, Caimans and Capybaras" - Wolfgang Bayer explores the 80,000 square miles of flat grasslands that cover much of central Venezuela.

"Tom's River: Reflections of River Keeper" - Tom Williams offers rare insights into the wild creatures that live above and below the surface of England's Hampshire Avon.

"Coral Triangle" - This film explores the story of man's interaction with one of the most productive and fragile environments on earth, the Philippine Archipelago.

A NOVA SPECIAL "Whale Rescue" (one 60 min. program, SIP) - Volunteers and professionals struggle to help rescue whales stranded on the shore of Cape Cod.

ON SHIFTING SANDS (one 60-min. program) - This program examines Presque Isle State Park on Lake Erie, tracing the conflict between environmentalists, developers and recreationists.

ONLY ONE EARTH (three 60-min. programs & eight 30-min. programs, expires 3/6/90) Produced by the BBC, these films report on the state of the world's environment, the impact of development and individual attempts to stave off their destruction.

#101 "The Road To Ruin," (one 60-min. program) - This hour is a commentary by Peter France that examines various world-wide areas of environmental decline.

#102 "The Sinking Ark," (one 60-min. program) - This hour is a commentary by Julian Pettifer examining the destruction of living organisms and the loss from extinction of genetic material (DNA).

#103 "The Fate of the Forest," (one 60-min. program) - A commentary by Iain Guest examining the crisis resulting from acid rain and the destruction of tropical rain forests.

#104 "The Struggling People," (one 30-min. program) - This episode examines a trial project in Zimbabwe to train one woman as a "community based teacher" who will then teach family planning, financial independence and reading to her fellow villagers.

#105 "Valley of Heart's Delight," (one 30-min. program) - One woman in Santa Clara County, CA focused attention on leaking underground tanks of chemicals that she felt caused the high number of miscarriages, stillbirths and birth defects in her community. She filed suit against Fairchild which settled out of court.

#106 "Big Fish, Little Fish," (one 30-min. program) - This episode examines the rivalry in the global fishing industry that pits sophisticated giants against local fishermen from the Soloman Islands.

#107 "China's Changing Face," (one 30-min. program) - By focusing on one family in Szechwan Province, this episode examines the change in China's economy from communal farming to self-made business and capitalism.

#108 "City in the Sand," (one 30-min. program) - This episode examines a "planned shantytown" in Peru that its citizens hope will be a model for future development of similar communities throughout the world.

#109 "People of the Desert," (one 30-min. program) - Profiles a settlement in Kenya — overpopulated with people and animals; all the trees and soil are gone, leaving a self-made desert.

#110 "The Muck and Mystery Men," (one 30-min. program) - Examines the reaction to the increased use of chemical fertilizers by some farmers in England who are experimenting with organic farming. They are called "muck and mystery men."

#111 "The Monk, The Village and the Bo Tree," (one 30-min. program) - This episode examines a land management program propelled by a Buddhist monk in southwest Sri Lanka.

SURVIVAL SPECIALS (six 60-min. programs) -

#801 "It's a Frog's Life" - This program shows the subtle adaptations and evolutionary ingenuity by which frogs have adapted to climactic change and new environments.

#802 "The Parenthood Game" - Narrated by Bob Newhart, this film explores parenthood in the animal kingdom.

#803 "The Winged Messenger" - This program looks at the migration of the European Crane and conservation efforts to preserve the ever-disappearing wetlands where the birds rest and refuel during their 2500 mile flight.

STRIPED BASS: MYSTERIOUS DISAPPEARANCE (one 60-min. program, SIP, expires 7/31/90) - A look at why the striped bass, one of our greatest North American game fish, is disappearing.

TROUBLED WATERS (one 60-min. program) - Why is the Colorado, the West's most important river, in trouble? Ed Asner hosts.

WATER BIRTH, THE PLANET EARTH (one 60-min. program, PBS window 6/21-12/21/90) - Examines the evolution of major life forms and their ever-changing relationship to water.

INSTRUCTIONAL TELEVISION SERIES FROM PBS ELEMENTARY/SECONDARY SERVICE

ICEWALK (Four 20-min. programs designed specifically for classroom use with junior/senior high students, complete with teacher support materials. Available Fall, 1990.)

Since the days of the great names like Scott and Amundsen, both the style and purpose of polar expeditions has begun to change dramatically. Today's explorers are as intent on saving the planet as they are in discovering it. Leading the way in this effort is the British Explorer Robert Swan. In his first expedition to Antarctica, he saw the effects of years of exploitation and tremendous pollution. ICEWALK's expedition to the North Pole, also led by Swan, is designed to dramatize the increasing need to protect the Polar Regions and to focus attention on the true scale of the environmental crisis now facing the world. ICEWALK sets out to find evidence of this pollution, and, by directly involving young people from all over the world in the ICEWALK International Student Expedition, is determined to find ways something can be done about it. The scientific work in ICEWALK focuses in on three main areas of concern in the Arctic today: Acid Snow; The Greenhouse Effect; and the Ozone Depletion.

Among the principal aims of ICEWALK is to foster environmental awareness and action among those who have the most to lose: the world's children. Distribution of ICEWALK for the 1990-91 school year will complement the PTOA "1990 Year of the Environment" campaign.

Programs titles include: "IN THE POLAR ARENA - The Endangered Arctic; "ACID SNOW - ACID RAIN;" "GLOBAL WARMING;" and "OZONE DEPLETION - The Polar Hole."

CONTACT: PBS Elementary/Secondary Service for television lease.

VOYAGE OF THE MIMI (Twenty-four 15-minute programs, using drama and inquiry to integrate mathematics and science concepts for students in grades 4 through 6, complete with teacher support materials. Available now.)

The dramatic episodes in this series follow the adventures of the crew of MIMI, a converted tuna trawler outfitted as a modern ocean-going vessel. Captain Clement Tyler Granville has chartered MIMI to two scientists who are studying the behavior, migrations, and population patterns of humpback whales. Throughout the voyage, crew members construct hypotheses, make observations and measurements, and collect and analyze data. Along the way, they learn to use navigation communications and computation devices, both old and new. The documentary expeditions visit the New England Aquarium, the National Museum of Natural History at the Smithsonian Institution, Woods Hold Marine Biological Laboratory, the Lamont-Deoherty Geological Observatory, and the Mount Washington Weather Center, among other places.

CONTACT: PBS Elementary/Secondary Service for television lease and Sunburst Communications, Inc. for nonbroadcast audiovisual tapes and computer resources.

THE SECOND VOYAGE OF THE MIMI (Twenty-four 15-minute programs, using drama and inquiry to integrate mathematics and science concepts for students in grades 4 through 6, complete with teacher support materials. Available now.)

The dramatic episodes in this series follow the adventure of a turn-of-the-century French tuna trawler, "The Mimi" that has been converted into an ocean-going scientific research vessel. As the series begins, The Mimi and her crew are wintering off Mexico's Yucatan peninsula where they are chartered by a team of archaeologists intent on studying the ancient Maya civilization. The ensuing sail turns into an action adventure story that challenges the captain and crew to learn and supply numerous mathematical and scientific concepts in order to foil a group of unscrupulous looters. Throughout, the skills of observation, hypothesis formation, and data collection and analysis are shown in action. In the 12 expedition programs the cast members reinforce and expand on the content with visits to places where scientific and mathematical principles are used daily.

THE SECOND VOYAGE OF THE MIMI is dual language captioned in English and Spanish. Additional support material for students and teachers (including print resources and computer software) is available from Sunburst Communications, Inc.

CONTACT: PBS Elementary/Secondary Service for television lease and Sunburst Communications, Inc. for nonbroadcast audiovisual tapes and computer resources.

SECTION II: TELECOURSES AND PROFESSIONAL DEVELOPMENT TELECONFERENCES

PLANET EARTH, from the Annenberg/CPB Collection, traces the formation of the solar system and evolution of the earth, leading students through the theories behind the earth's layers, continents, resources and climates. Seven video programs and textbook trace the Earth's relationship to the sun and other planets. Its prospects for the future are also discussed by leading scientists. **Telecourse:** Part of the PBS ALS Fall 1990 schedule.

CONTACT: PBS Adult Learning Service.

THE WORLD OF CHEMISTRY, from the Annenberg/CPB Collection, provides a broad overview of chemistry with on-site footage of industrial processes which illustrate the application of chemical reactions. Includes computer animation, revealing the changes that take place at the molecular level and interviews with distinguished scientists which shed light on chemistry's historical foundations, recent developments, and future directions.
Telcourse: Part of the PBS ALS August,1990 schedule.

CONTACT: PBS: Adult Learning Service.

NATIONAL ISSUES FORUM: THE ENVIRONMENT AT RISK. A recent groundswell of environmental concern has generated a flurry of environmental legislation in Congress. In many parts of the country environmental groups are calling for stricter pollution and recycling laws, cleaner energy resources, and limits on development. These initiatives would be costly, and require significant changes on all levels of society. This program examines the trade-offs required and whether or not the public is willing to accept these changes to prevent further damage to the environment. Resource Program: Fall, 1989.

CONTACT: PBS Adult Learning Satellite Service

CHOICES AND CHALLENGES FORUM: NUTRITION — PERSONAL AND PUBLIC POLICY ISSUES, from Virginia Tech University, will examine recent research findings in nutrition science and their implications in health and medicine. The Forum will also explore critical, ethical, economic and public policy questions accompanying renewed interest in the field. Videoconference: April 19, 1990.

CONTACT: PBS Adult Learning Service.

TELECONFERENCE. PBS, PTOA and the U.S. EPA are developing a plan to offer a national video teleconference event in early October 1990 to assist the business community in preparing for pending environmental regulation (Clean Air Act, a Comprehensive Resource Conservation & Recovery Act, Waste Minimization and Pollution Prevention and Recycling Act). The focus of the program is the sound business of prevention and the need to know information on regulations and implementation strategies. Teleconference: Date To Be Announced.

CONTACT: PBS Adult Learning Satellite Service.

RACE TO SAVE THE PLANET, from the Annenberg/CPB Collection, is a series of ten hour-long documentaries, examining the political, economic, human and environmental interests which face the world today. This series will premiere in primetime on PBS to both public television viewers at large and PBS telecourse students. The RACE TO SAVE THE PLANET television course will consist of 13 instructional units, ten of which will include the hour-long documentaries. The first two units and the last unit will be print only. Faculty for the telecourse may choose between "Living in the Environment," by G. Tyler Miller, Jr. (6th edition, Wadsworth) or "Environmental Science," by G. Tyler Miller, Jr. (Wadsworth). The telecourse student study guide and faculty manual will be keyed to either text. A companion trade book to the series by noted environmental writer Paul Brodeur will be published to coincide with the series premiere. RACE TO SAVE THE PLANET is produced for PBS by the WGBH-Boston Science Unit, in association with the Chedd-Angier Production Company. Telecourse: October, 1990 .

CONTACT: PBS Adult Learning Service.

SECTION III: PUBLIC SERVICE ANNOUNCEMENTS

POPEYE TELEVISION PSAs. 30-second, fully animated for broadcast use. Popeye and Olive Oyl discover Brutus dumping plastics in the water. Popeye does his best to help but at the end says, "I canst do it all by meself peoples, Call 1-800-CMC-OCEAN." CMC will direct inquiries concerning beach cleanups to contact state coordinators (free broadcast quality dupe).

CONTACT: Center for Marine Conservation.

BEACH CLEANUP PSA. 30-second television PSA designed to encourage volunteers to clean the beaches. State coordinators can attach their own cleanup date and organization name. CMC encourages users to credit CMC in some way, for example, "This message brought to you in cooperation with the Center for Marine Conservation" (free with credit to CMC).

CONTACT: Center for Marine Conservation.

NEWPORT MARINE REFUSE FISHERIES SERVICE. 30-second and 60-second radio PSAs sponsored by the Newport Refuse Disposal Project for general audiences as well as sports and commercial fishermen. Tag line reads "sponsored by your local port." Spots range in nature from serious to humorous.

CONTACT: LeeMark Productions.

NEWPORT MARINE REFUSE FISHERIES SERVICE. 30-second televison PSAs sponsored by the Newport Refuse Disposal Project for general audiences as well as sports and commercial fishermen. Spots are not location-specific. Tag line reads "sponsored by the NOAA/National Marine Fisheries Service."

CONTACT: OSU Extension/Sea Grant Program.

SECTION IV: NONBROADCAST VIDEO

The nonbroadcast video programs listed below are designed to assist educators in their efforts to inform, excite and educate children in grades K-12 about the environment and our role in preserving Planet Earth. Teacher guides accompany the majority of instructional television programs distributed for educational use. Some of these videotapes were excerpted from Science Books & Films' May/June, 1989 selection of the "50 Best Environmental Films" for instructional use. Many entries also hold broadcast rights and may be of interest to public television stations for inclusion in local programming schedules. Please contact the distributors directly to determine specific broadcast and nonbroadcast rights.

Levels: E=Elementary; I=Intermediate; J-Junior High; S=Senior High

Additional listings may be obtained through GREEN GEMS: A GUIDE TO ENVIRONMENTAL MEDIA, published by Media Network.

ACID FROM HEAVEN
This program looks at a person whose income was cut off as a direct result of acid rain. DISTRIBUTOR: National Film Board of Canada, 1983. 31-min. Level: J-S.

ACID RAIN
An in-depth look at this phenomenal environmental problem, first aired as an episode of NOVA. DISTRIBUTOR: Time Life Video, 1984. 57-min. Level: J-S.

ACID RAIN: THE COST OF COMBUSTION
Michael Learned hosts this one-hour special examining the politics and economics of the acid rain controversy. The program travels to Washington, D.C., New York City and through Pennsylvania, surveying the areas affected by acid rain. It examines current scientific findings and the high cost of the political battle that has engulfed the struggle to control this complex and dangerous problem. DISTRIBUTOR: EEN/IPS. 60-min. Level: J-S.

ACID RAIN: REQUIEM OR RECOVERY
This tape examines the origins and impact of acid rain on the environment and wildlife. DISTRIBUTOR: National Film Board of Canada, 1983. 27-min. Level: J-S.

THE ADIRONDACKS: CYCLES OF AN AMERICAN WILDERNESS
Accurately addresses the varying and often conflicting uses of the park for its timber, wildlife, mineral aesthetic, and recreational resources. DISTRIBUTOR: Direct Cinema, Ltd., 1987. 30-min. Level: S.

AIR: A FIRST FILM
Introduces the ocean of air covering the earth and illustrates the many ways in which it is used. Also traces air's effect on the weather. DISTRIBUTOR: BFA Educational Media. 9-min. Level: E.

AIR CONDITIONED COMFORT
This animated film portrays an insensitive family's drive through the National Parks in a sixty-five foot camper loaded with all the conveniences. For them the forest is just a place to toss gum wrappers until the tables turn at nightfall. DISTRIBUTOR: Phoenix Films & Video. 6-min. Level: S.

AIR POLLUTION: A FIRST FILM
Exposes the results of air pollution and suggests methods for pollution control. Establishes that only a small amount of waste added to the air by human industry causes considerable pollution. DISTRIBUTOR: BFA Educational Media. 12-min. Level: E-J.

ALASKAN OIL: AMERICA'S PIPE DREAM
A portrait of the exploitation of Alaska's natural oil resources since its discovery in Prudhoe Bay in 1968. DISTRIBUTOR: KPBS-TV/San Diego, 1977. 30-min. Level: I-S.

ALDO LEOPOLD, A SAND COUNTY ALMANAC
This film is a recreation of Aldo Leopold's collection of beautiful nature sketches and philosophical essays on ecology and ethics. DISTRIBUTOR: Centre Productions, 1983. 29-min. Level: I-S.

ALDO LEOPOLD, HIS LIFE AND THOUGHT
This film, narrated by Lorne Green, is a biography of perhaps America's greatest naturalist, Aldo Leopold. DISTRIBUTOR: Centre Productions, 1983. 27-min. Level: J-S.

THE AMAZON: A VANISHING RAINFOREST
Depicts the extensive research — both scientific and economic — devoted to discovering how man and the tropical rain forest can coexist. Covers significant rain forest research, studies of animals and how they live, much-needed basic ecological studies, research on plants that might be grown as food, and very sophisticated economics research. Designed to show young adults the developing deterioration in the rain forest biomes and to give them some insight into what is being done. DISTRIBUTOR: The Cinema Guild, 1988. 29-min. Level: S.

AMERICA'S INLAND COAST: PORTRAITS FROM THE GREAT LAKES
In this age where rapid growth is taking place in regions where water is scarce, the vast resources of the Great Lakes have taken on new importance. Increasingly communities many miles from these lakes are looking to them as a possible solution to their water needs. DISTRIBUTOR: CEN, 1989. 56-min. Level: J-S.

ARCTIC: THE GREAT WHITE DESERT
Explores the Arctic region, its frozen environment, its potentials for development, and the continuing intrusions of technology on its native people. DISTRIBUTOR: Coronet Film & Video, 1988. 15-min. Level: E-S.

ARE YOU SWIMMING IN A SEWER?
Asks excellent questions about water pollution and discusses the serious problems it presents in many major cities. Also critiques possible solutions. DISTRIBUTOR: Coronet Films & Video, 1987. 60-min. Level: S.

THE ATLANTIC SALMON
This tape looks at the life cycle of the Atlantic salmon and the measures taken to protect this necessary resource. DISTRIBUTOR: National Film Board of Canada, 1978. 28-min. Level: J-S.

BANKING ON DISASTER
Documents one of the most dramatic social migrations in recent history — the movement of 1 to 2 million colonists from southern and central Brazil into the Southwestern Amazonian states of Rondonia and Acre in just 10 to 15 years. Following a migrating farmer over the course of 7 years, the film's major themes emerge as insufficient planning, lax environmental safeguards, incursions into lands already occupied by American Indians or native rubber-tappers, and failure of the World Bank and the Inter-American Development Bank to monitor what their hundreds of millions of dollars in loans are doing to people and the environment. DISTRIBUTOR: Bullfrog Films, Inc., 1988. three parts, 26-min. ea. Level: S.

BAOBAB: PORTRAIT OF A TREE
A look at the giant African tree, the baobab, on which innumerable insects, reptiles, birds, and mammals live, mutually supporting each other. The many species all depend on the tree for protection and survival. Available as a whole or in two individual parts. American Film Festival: Blue Ribbon; Atlanta Film Festival: Bronze Medal. DISTRIBUTOR: CRM McGraw Hill, 1973. 53-min. Level: J-S.

BIG RIVER OF THE HEARTLAND
Combining stunning river footage, insightful narration, and interviews with scientists and assorted "river rats", this program examines the upper Mississippi River as a living ecosystem—its history, environmental and economic importance, rich plant and animal life and the colorful people who live along its banks. DISTRIBUTOR: CEN, 1988. 58-min. Level: J-S.

BIOGAS FROM THE SEA
Demonstrates the processes whereby gases for fuel may be economically obtained from fast-growing algae. Various methods of harvesting, chopping, and fermenting algae are shown. DISTRIBUTOR: Bullfrog Films, Inc., 1987. (From the Ecology Workshop Series) 29-min. Level: S.

BLACK WATER TIME BOMB
A profile of the effects on the environment caused by millions of tons of untreated sewage dumped in the Pacific Oceans by the Mexican city of Tijuana. DISTRIBUTOR: KPBS-TV/San Diego, 1984. 30-min. Level: J-S.

THE CALIFORNIA FORUM: WATER ISSUES
A panel of experts, moderated by Ira Michael Heyman, discusses the water problems facing California. DISTRIBUTOR: University of California at Berkeley Educational TV Office, 1983. 59-min. Level: J-S.

CALIFORNIA'S BIG SUR
This program contains scenic shots of the beautiful coastline from San Simeon to Monterey, including spring wildflowers lining the coast and mighty ocean waves pounding the shore and cliffs. DISTRIBUTOR: Wilderness Video, 1983. 60-min. Level: J-S.

CASCADE WATERSHED: THE SANDY RIVER BASIN
Shot and edited by high school students for their peers, this film discusses the ecology, biology, and geology of the Cascade Mountain watershed. Emphasizes the interrelationships of various natural processes and forces: evolution, the weather, natural catastrophes, and abusers of the environment. DISTRIBUTOR: Northwest Film & Video Center, 1988. 21-min. Level: S.

CAN I DRINK THE WATER?
Challenges viewers to make informed decisions about drinking water by discussing the quality of service, ground, and bottled water in three areas of California. DISTRIBUTOR: University of California Extension Media Ctr., 1987. 27-min. Level: S.

CENTRAL ASIA: THE DESERT OF TAMERLANE
Focuses on the turbulent history of Central Asia deserts, delving into physical features, social and economic evolution, and a long succession of occupants. From Mongolia to the Caspian Sea, the deserts of Turkestan are, paradoxically some of the driest, yet most fertile regions on earth. DISTRIBUTOR: Coronet Film & Video, 1988. 15-min. Level: J-S.

CENTURY III — MAN AND HIS ENVIRONMENT
This program speaks of man's efforts to stabilize the delicate balances of his environment through architecture, industrial and urban conservation, solar energy, and working models of small-scale rural self-sufficiency. DISTRIBUTOR: National AudioVisual Center, 1978. 28-min. Level: J-S.

CHERNOBYL AUTUMN: AMONG THE LAPPS
Since the Chernobyl disaster much of Northern Scandinavia's reindeer — a major food source for the Lapps for over 4,000 years — has been contaminated. Narrated by Donald Sutherland. DISTRIBUTOR: EEN/IPS. 28-min. Level: J-S.

CHERNOBYL: THE BITTER TASTE OF WORMWOOD
Maps areas of heaviest radioactive contamination following the reactor accident at Chernobyl and explains the "hot spots" found in Sweden, Italy, and Turkey, the effects on the human populations, and decontamination techniques. DISTRIBUTOR: Films for the Humanities, Inc., 1987. 58-min. Level: S.

CHOICES '85
The process of national forest planning is examined for the novice. DISTRIBUTOR: Bullfrog Films, 1985. 29-min. Level: E-S.

THE CHOSEN PLACE
A look at how biologists are creating projects that would help endangered animals survive environmental changes caused by industry. DISTRIBUTOR: New York State Education Dept., 1986. 28-min. Level: J-S.

CONSERVING AMERICA
Includes three documentary programs, THE WETLANDS, THE RIVERS, and CHAMPIONS OF WILDLIFE, which look at people and communities throughout America that are active in preserving the environment. DISTRIBUTOR: National Wildlife Federation. 58 min. Level: J-S.

COWBOY'S CLAIM/FLORDIA, MAINE
Shows how progress and development affect the Florida cowboy. Compares Florida with the coast of Maine. From the SPIRIT OF PLACE series. DISTRIBUTOR: CEN. 60-min. Level: J-S.

CRANE RIVER
Explores the possibility of saving Platte River in Nebraska where half a million birds — 80 percent of the world's Sandhill Cranes — congregate en route from wintering grounds in the South to Nesting areas in the far North. The Platte River's flow has been drastically reduced to meet the needs of agricultural and urban growth, and may disappear altogether. DISTRIBUTOR: WETA Visions. (NATIONAL AUDUBON SOCIETY Specials III) 60-min. Level: S.

CROPS PROTECTED: WATER THREATENED
The danger pesticides pose to water supplies is examined. DISTRIBUTOR: Cornell University, 1982. 20-min. Level: J-S.

THE DESERT
Depicts North America's southwest stretches with hot arid expanses of sun-baked soil and rock that sit in the rainshadow of the Pacific coastal ranges. Though seemingly lifeless, the deserts are filled with highly-adapted plant and animal communities. DISTRIBUTOR: Barr Films. 15-min. Level: E-J.

THE DESERT DOESN'T BLOOM HERE ANYMORE
Focuses on the loss of arable land in the dry regions of the world due to drought, salt, and chemical poisons. Shows how environmental problems cannot be isolated and tackled with quick fixes. DISTRIBUTOR: Coronet Films and Videos, 1987. (Producer: NOVA) 60-min. Level: S.

DESERT ECOLOGY
Shows how the fragile, arid ecosystems of the desert support a surprising number and variety of plants and animals. DISTRIBUTOR: The Media Guild, 1987. 25-min. Level: J-S.

A DESERT'S LIVING SANDS
A look at the plant and animal life of North American desert regions. DISTRIBUTOR: National Geographic Society, 1979. 20-min. Level: I-S.

DO WE REALLY NEED THE ROCKIES?
This entry in the NOVA series investigates the pros and cons of shale oil production in the western Rocky Mountains. Although full of oil, every attempt to extract the fuel thus far has proved too costly and environmentally unsound. DISTRIBUTOR: Time Life Video, 1981. 57-min. Level: J-S.

DOROTHY MOLTER: LIVING IN THE BOUNDARY WATERS
Wade Black and Judith Hadel reveal the passions of a woman who, until her death in 1986, was the only person living in the one million acres that make up the Boundary Waters of Minnesota. Her choice to live alone in the wilderness has made her a genuine folk hero. From the SPIRIT OF PLACE series. DISTRIBUTOR: CEN, 1989. 60-min. Level: J-S.

DOWNWIND/DOWNSTREAM
Reveals, through interviews with scientists, lay people, the governor of Colorado and others, growing concern about waters in the high country of the Colorado Rockies acidified by acid rain. DISTRIBUTOR: Bullfrog Films, Inc., 1987. 60-min. Level: S.

DOWN IN THE DUMPS
Examines garbage management, including recycling, incineration, waste-to-energy projects, and waste reduction. Current research is reported, and the pros and cons of each method are discussed. DISTRIBUTOR: Films for the Humanities, 1988. 26-min. Level: I-S.

THE DROWNING BAY
Vividly illustrates the ecological plight of a city which has allowed pollution to destroy a major part of its most famous and scenic natural resources. DISTRIBUTOR: BFA Educational Media. 9-min. Level: E-I.

EARTH: THE CHANGING ENVIRONMENT
Deforestation in the Amazon rain forest and eroded soils in Africa depict the exploitation wrought by the desperate circumstances of impoverished nations. DISTRIBUTOR: WETA VISIONS. 30-min. Video, Teacher Training Tape and Instructor's Guide. Level: S.

THE EARTH EXPLORED
A series of 14 programs that study the Earth, its evolution, how it works and why it works. Involves a history encompassing an unimaginable amount of time and a sequence of events that range from the imperceptible weathering of rocks and minerals to explosive eruptions of volcanoes. Includes the titles: THE ALPS (PARTS 1&2), DESERTS, FROM SWAMPS TO COAL, GLACIERS, VOLCANOES, and WATER: A CUTTING EDGE WITH TIME. DISTRIBUTOR: PBS Video, 1985. (Producer:British Broadcasting Company). 14 programs, 28-min. ea. Level: J-S.

EARTH: THE RESTLESS PLANET
Journeys into the active volcanoes of Hawaii, Sicily, and Zaire. DISTRIBUTOR: National Geographic Society, 1973. 25-min. Level: J-S.

ECOLOGY: A COMMUNITY BENEATH THE SEA
Examines the behaviors of members of the reef community leading to an understanding that there is both cooperation and competition among the members of the community. DISTRIBUTOR: BFA Educational Media. 9-min. Level: I-J.

THE ECOSYSTEM: NETWORK OF LIFE
Explores the interactions that take place between living things and between organisms and the physical elements in their environment. Interactions within the ecosystem are related to energy transformations and to energy loss to the system. DISTRIBUTOR: BFA Educational Media. 11-min. Level: J-S.

ECOLOGY OF THE ALPINE TUNDRA
A visual tour of Rocky Mountain tundra in regards to geologic, geographic and ecologic study. DISTRIBUTOR: Educational Materials and Equipment Co., 1985. 30-min. Level: J-S.

AN ECOSYSTEM: A STRUGGLE FOR SURVIVAL
Teaches what an ecosystem is and how it responds to change through a natural drama set in India's Gir Forest. The survival of people, animals, and a forest depends on the survival of the forest ecosystem. DISTRIBUTOR: National Geographic Society, 1975. 22-min. Level: J-S.

ECOSYSTEMS OF THE GREAT LAND
Examines four ecosystems of Alaska: tundra, taiga, coastal forests, and adjacent ocean. Stresses conservation and illustrates many basic ecological concepts. DISTRIBUTOR: Agency for Instructional Technology, 1989. 6 parts, 15-min. ea. Level: J-S.

ENDANGERED SPECIES — RAISING CRANE
In a unique blend of science and humor, crane researcher Dr. Rob Horwich employs a crane costume in an effort to gain acceptance from the young chicks. With patience and understanding, he brings the chicks along through various stages of development until they are ready for release. In a dramatic climax at a spectacular gathering of thousands of once-threatened sandhill cranes, the chicks are introduced into the wild in a celebration of both the success of the experiment, and a hope for all endangered species. DISTRIBUTOR: CEN, 1988. 27-min. Level: J-S.

ENERGY: WHAT ABOUT TOMORROW?
Investigates how shortages of oil and natural gas, rising costs of power, and world population growth have stimulated an intense search for alternative energy sources. No one source, solar or geothermal, will be sufficient to meet all our future needs, so every possibility must be explored. DISTRIBUTOR: Barr Films. 20-min. Level: J-S.

EXPLORING THE WORLD OF SCIENCE
A series of programs examining topics such as energy, the atmosphere, the Arctic, the prairie, and forest, desert, and jungle life. Most appropriate to environmental studies are programs "Exploring the Ocean", "Exploring Life Zones", "Exploring Our Earth", and "Exploring Our Atmosphere". DISTRIBUTOR: Western Instructional Television. 85 programs, 15-min. ea. Level: E.

THE FARMER AND THE SPORTSMAN
This program was designed to teach the hunter the need for cooperation between sportsman and farmer. Safe gun handling and soil conservation methods that will ensure hunting for future generations are covered. DISTRIBUTOR: TV Sports Scene, 1981. 25-min. Level: J-S.

FOR EXPORT ONLY: PESTICIDES
This program looks at the many pesticides that are banned or restricted in the U.S. that are still produced for export to Third World countries, where restrictions are more lax or non-existent. DISTRIBUTOR: Icarus Films, 1981. 56-min. Level: J-S.

THE FOREST IN THE CLOUDS
The tropical rain forests of Costa Rica accelerate nature's growth and decay because of their high moisture content. Nutrition is found not in the soil, but in the abundant vegetation. DISTRIBUTOR: National Geographic Society, 1981. 20-min. Level: J-S.

THE FOUR CORNERS: A NATIONAL SACRIFICE AREA
This documentary examines the cultural and environmental impact of energy development on the Colorado Plains. DISTRIBUTOR: Bullfrog Films, 1984. 30-min. Level: J-S.

FROM THE FACE OF THE EARTH
Set in the year 2020, this science fiction dramatizes the delicate ecological balance of our planet and the effects which man's concern—or lack of it—may have on future generations. Underscores the value of our fragile natural resources and repercussions of our actions today. DISTRIBUTOR: BFA Educational Media. 16-min. Level: E-J.

FROM SEA TO SHINING SEA
A study of the ecological society Greenpeace, who are trying to stop chemical dumping into the Atlantic in one small town. DISTRIBUTOR: Bullfrog Films, 1986. 20-min. Level: S.

FUNK ISLAND
This tape examines an island off the coast of Newfoundland that is inhabited by a variety of birds. DISTRIBUTOR: Films Inc., 1983. 28-min. Level: J-S.

GARBAGE
Examines several facets of its seamy subject: the garbage can as art, garbage disposal as an index to character, garbage as a menace threatening to engulf the world. A tragicomic camera essay set to modern music. DISTRIBUTOR: BFA Educational Media. 11-min. Level: E-S.

THE GARDEN OF EDEN
A discussion of the necessity for natural conservation, and the need to preserve wildlife for mankind's sake. DISTRIBUTOR: Direct Cinema Limited, 1985. 28-min. Level: J-S.

GENTLE ON THE LAND
This program shows how environmentalists and architects worked together to bring the Raven Rocks project in Beallsville, Ohio to life. DISTRIBUTOR: Ohio University Telecommunications Center, 1984. 30-min. Level: J-S.

THE GLOBAL ENVIRONMENT
Illustrates how ecological problems are becoming priorities on the foreign policy agendas of many nations, targeting two environmental issues, acid rain and the depletion of the ozone. DISTRIBUTOR: WETA Vision. 30-min. Level: S.

GLOBAL GEOGRAPHY
Each program features a world region (Southeast Asia, for example), and dramatizes an issue ("How Does Change Occur?") important to a topic (food resources) usually treated in geography textbooks. Each is based on one of five fundamental themes of contemporary geographic education and involves students in the use of important geographic skills. DISTRIBUTOR: Agency for Instructional Technology, 1988. 10 programs, 15 min. ea. Level: I-J.

THE GRACE OF MAN
Focuses on three vanishing species — the peregrine falcon, the river otter, and the squaw fish—and the work of the Colorado Department of Natural Resources to preserve and increase the populations of these and similarly threatened species. Generates awareness of programs to preserve non-game wildlife and instills a feeling that some losses can be halted and, in fact, reversed. DISTRIBUTOR: Centre Production, 1988. 20-min. Level: J-S.

THE GREAT CONTAINER WAR
This film follows the controversy of the bottle bill with arguments for and against, along with results from states which have passed laws requiring returnable bottles and cans for beer and soda. DISTRIBUTOR: The Media Project, 1980. 60-min. Level: J-S.

THE GREAT LAKES: A MATTER OF SURVIVAL
Presents what can be and is being done to save the dying Great Lakes. A story of the human struggle to find solutions to environmental problems. DISTRIBUTOR: BFA Educational Media. 11-min. Level: J-S.

THE GREAT OIL DISASTER
Informs students about the supertanker Amoco Cadiz 1978 oil spill off the coast of French Brittany and reveals the new remedies for these accidents at sea which cause inestimable ecological damage. DISTRIBUTOR: Coronet Film & Video. 30-min. Level: E-S.

THE GREATEST LAKES
Examines how settlers along the shores of the Great Lakes have altered their ecosystem with industry and towns. Demonstrates the latest scientific approach in restocking them with sea life. DISTRIBUTOR: PBS Video, 1984. 30-min. 30-min. Level: J-S.

GREAT LAKES: TROUBLED WATERS
Emphasizes problems of toxic waste, including threats to ecosystems and public health. Highlights political roadblocks in Canada and the U.S. DISTRIBUTOR: Umbrella Films, 1987. 53-min. Level: S.

GREED & WILDLIFE: POACHING IN AMERICA
Exposes the problem of illegal hunting of wildlife, showing how commercial hunters slaughter every species from the bald eagle to the alligator to make a quick profit on their feathers and hides. Filmed principally in the Great Smoky Mountains and Utah, with behind-the-scene footage of men and women who enforce the nation's hunting laws. DISTRIBUTOR: WETA Visions, 1989. 60-min. Level: J-S.

GREETINGS FROM VACATIONLAND
At first glance, Mark Gilliland's postcards may seem typical of the millions mailed by vacationers each year. But as things progress, the "dark underside" of vacationland emerges: nuclear plants next to wildlife refuges; pollution choking the air and water; scores of unemployed living in an area undergoing massive development for tourism. From SPIRIT OF PLACE series. DISTRIBUTOR: CEN, 1989. 60-min. Level: J-S.

HAZARDOUS WASTE
How a group of concerned citizens organized themselves to clean up some of the 17,000 toxic chemical dumps which have littered the countryside is the subject of this documentary. DISTRIBUTOR: Direct Cinema Limited, 1984. 35-min. Level: J-S.

THE HOLE IN THE SKY— NOVA
Follows a hazardous mid-winter expedition to Antarctica to discover the effects of ozone deterioration. Is the hole — the size of the United States — a natural phenomenon or have man-made gases from chlorofluorocarbons destroyed part of the earth's protective atmosphere? DISTRIBUTOR: Coronet Film & Video, 1987. 58-min. Level: S.

HUMBOLDT BAY (QUAL A WA LOO)
A study of the ecology of an estuarian environment, using California's Humboldt Bay, one of the few Pacific estuaries that is relatively undisturbed by human tampering, as an example. DISTRIBUTOR: University of California Berkeley, 1980. 22-min. Level: J-S.

IN CELEBRATION OF AMERICA'S WILDLIFE
Documents the history, accomplishments, and the future prospect of sound management under the Pittman-Robertson Act of 1937. Delivers an excellent message on the need for a balanced environmental ethic while addressing an emotional and controversial issue. DISTRIBUTOR: Commonwealth Films, 1987. (Producer: U.S. Fish and Wildlife Service.) 57-min. Level: S.

INCREASE AND MULTIPLY?
Presents a case for assistance by the United States to family planning programs, in developing countries. Emphasizes the costs of high population growth to a country's development, its environment, and the family unit. DISTRIBUTOR: Filmmakers Library, 1989. 55-min. Level: S.

IN MEMORY OF THE LAND AND PEOPLE
A lyrical look at the massive, irreparable damage done by strip mining to our nation's coal belt. DISTRIBUTOR: Green Mountain Post Films, 1979. 50-min. Level: J-S.

INTO DEEP WATER
By using the Thames as an example, explains how a moderately polluted river can cleanse itself of organic material but not of its mineral load. Discusses methods of filtering river water, often the source of drinking water for cities and towns, and sources of pollution, such as drained wetlands, pesticides, and fertilizers from agriculture. DISTRIBUTOR: Bullfrog Films, 1988. (From the TURNING THE TIDE series, 7 parts). 28-min. each. Level: J-S.

IN OUR WATER
This program chronicles the discovery of toxic drinking water in South Brunswick, New Jersey in 1975. The toxicity was caused by a nearby hazardous waste dump site. DISTRIBUTOR: New Day Films, 1981. 58-min. Level: J-S.

IN SEARCH OF WILDLIFE IN DAVID SHEPHERD
Shot on location in India, Canada, Africa, Oman and the U.S., each program is devoted to an endangered animal and the conservation efforts being undertaken to preserve the species in its natural habitat. Hosted by internationally acclaimed British artist David Shepherd who has become a great advocate of wildlife conservation. DISTRIBUTOR: EEN/IPS. 6 programs. 30-min. Level: J-S.

IN THE HEART OF BIG MOUNTAIN
Produced by a Native American, it is the story of a Navajo matriarch, keeper of the sacred bundle that protects her land — Big Mountain in Arizona. Big Mountain is at the heart of controversial Congressional legislation which, if passed, could move the Navajo to another location. A vivid portrait of a woman deeply rooted in the stark, beautiful land of her ancestors, shows the rich traditions of the Navajo and their immutable ties to the land where economics and politics play only the smallest of roles. From SPIRIT OF PLACE series. DISTRIBUTOR: CEN, 1989. 60-min. Level: J-S.

INTRODUCTION TO ECOLOGY
These four parts of a more extensive biology series visually investigate the concepts of the biosphere, ecosystems, resources, and pollution. DISTRIBUTOR: International Telecommunication Services, Inc. Biology Series. 18 programs, 15-min. ea. Level: J-S.

IN YOUR OWN BACKYARD: THE FIRST LOVE CANAL
This program documents the nation's first encounter with toxic waste. A complete account of the way the people involved, both in government and in the community, responded to a frightening situation. DISTRIBUTOR: Bullfrog Films, 1982. 59-min. Level: J-S.

ISLAND AT THE EDGE
On the Iki Island in Japan, fishermen are slaughtering dolphins because they are consuming the fish on which the islanders depend for food. Since industrial pollution has destroyed their normal feeding grounds, the dolphins are being punished simply for following their instincts for survival. DISTRIBUTOR: Films Inc., 1979, 26-min. Level: J-S.

JOE ALBERT'S FOX HUNT
A series of vignettes about the inhabitants, the conservationists, and the developers involved in the conflict over the future of "The Pine Barrens" of New Jersey, the last remaining wilderness in the Boston to Washington corridor. DISTRIBUTOR: Global Village, 1981. 60-min. Level: J-S.

JOHN MUIR'S HIGH SIERRA (SCHOOL VERSION)
This program combines the repose of John Muir with stunning photography of the Sierra Nevadas. DISTRIBUTOR: Churchill Films, 1982. 27-min. Level: J-S.

JOJOBA
A look at the world's most promising renewable resource, the jojoba tree, whose nut oil is the purest and most versatile known. DISTRIBUTOR: University of California Berkeley, 1980. 23-min. Level: J-S.

JOURNEY OF THE KINGS
A study of the efforts of conservationists to restore fish runs and natural habitats in the Columbia River Basin. DISTRIBUTOR: American Educational Films, 1984. 20-min. Level: J-S.

JUNGLES: THE GREEN OCEANS
The program shows viewers how jungles have survived as successful and self-contained ecosystems through the delicately balanced interaction of plants, animals, and climate. DISTRIBUTOR: Britannica Films, 1980. 23-min. Level: J-S.

JUST BETWEEN ME & GOD
Fisherman Will Roberge and his wife Eleanor love the land along the Mississippi near Memphis, and the wildlife with whom they share it. This piece captures their determination to keep industry from devastating all that is precious to them. From the SPIRIT OF PLACE series. DISTRIBUTOR: CEN. 60-min. Level: J.

KEEPERS OF THE FOREST
Stresses the need to find alternatives to the continued loss of rain forest ecosystems. Considers adoption of the successful agricultural methods of the Lacandon Indians of southern Mexico. DISTRIBUTOR: Umbrella Films, 1988. 28-min. Level: J-S.

KEITH COUNTY JOURNAL
Takes a look at the natural world of the Nebraska Sand Hills and by extension, the wider world around us and the world within...a look at the subtleties and intricacies of dependendence and interdependence. DISTRIBUTOR: GPN. 60-min. Level: S.

KILOWATTS FROM COWPIES
An important energy resource, biogas, can be produced by almost any organic material, including crop and forestry residues, animal wastes, human sewage, and food processing wastes. DISTRIBUTOR: Bullfrog Films, 1981. 25-min. Level: S.

KNOW THE LAND AND THE PEOPLE
This series looks at the relationship between people and the environment. DISTRIBUTOR: Maryland Center for Public Broadcasting, 1983. 30-min. Level: J-S.

KOPJE: A ROCK FOR ALL SEASONS
This program explores the wildlife of Africa's ancient bedrock in the Serengeti plain. DISTRIBUTOR: Films, Inc., 1982. 60-min. Level: J-S.

LAKES AND STREAMS
Explains the difference between freshwater lakes and running water environments, noting the adaptive features of individual plants and animals and outlining the consequences of seasonal change. DISTRIBUTOR: Coronet Film & Video. 15-min. Level: S.

LAND POLLUTION: A FIRST FILM
Describes the uses and misuses of land and suggests methods for protecting it for future generations. DISTRIBUTOR: BFA Educational Media. 12-min. Level: E-J.

LAND USE AND MISUSE
Demonstrates why careful use of our land service is essential to human existence. Shows how some accepted practices—industrial and agricultural abuses, and urban development—can create a loss of water, crops, and wildlife, and can even cause climatic changes. DISTRIBUTOR: Learning Corporation of America, 1975. 13-min. Level: J-S.

LAND: WITH LOVE AND RESPECT
The social and economic conflicts and the consequences related to land-use decisions are explored. Traditional values of rural charm, green space, and agriculture are stressed. DISTRIBUTOR: Cornell University, 1980. 26-min. Level: J-S.

LIFE AND DEATH OF A TREE
A look at the variety of plants and animals nurtured by a living or dead oak tree. DISTRIBUTOR: National Geographic Society, 1979. 20-min. Level: E-J.

LIFE IN LOST CREEK
Shows life in three fresh water ecosystems: fast-moving, slow-moving, and standing water. The interrelated ecological concepts of habitat adaptation and ecological niche are defined as well as populations, food chains, transference of energy, and the interaction between organisms. DISTRIBUTOR: Coronet Films & Videos, 1978. 15-min. Level: J-S.

LIFE WITH ST. HELENS
Documents the 1980 volcanic eruption of Mt. St. Helens. Considers the sociological and psychological impact of the eruption on Northwesterner's lives. DISTRIBUTOR: PBS Video, 1980. 29-min. Level: S.

THE LITTERBUG
Donald Duck gives a graphic demonstration of the scourge of the countryside in a film that will make children stop and think before they litter. Animated. DISTRIBUTOR: Disney Educational Productions. 8-min. Level: E.

THE LIVING PLANET: A PORTRAIT OF THE EARTH
David Attenborough, noted naturalist and best-selling author, zeroes in on contemporary communities of life—both plant and animal—existing in every environment from the frozen Arctic to the steaming deserts, from the floor of the ocean to the sky above. DISTRIBUTOR: EEN/IPS. 12 programs. 60-min. ea. Level: J-S.

LIVING TOGETHER
Exposes human effects on New Zealand's wetlands, including deforestation and swamp reclamation while illustrating the types of human-imposed problems facing ecosystems. DISTRIBUTOR: Wombat Film & Video, 1987. (From WILD SOUTH series) 30-min. Level: S.

LOOKING FOR ORGANIC AMERICA
This program is a visit with organic farmers from coast to coast who, as people demand food grown without chemicals, can afford to switch over from conventional to organic farming. It is a persuasive advocate of ecological agriculture for the present and future times. DISTRIBUTOR: Bullfrog Films, 1972. 28-min. Level: J-S.

A LOVE CANAL FAMILY
This program documents the Kenny Family, whose lives were shattered by the death of their son after their Niagara Falls, New York neighborhood became one of the nation's largest chemical dumping grounds. Part of the "U.S. CHRONICLE" series. DISTRIBUTOR: Pennsylvania State AV Services, 1980. 29-min. Level: J-S.

MAMMALS OF THE SEA
Examines the biological role and importance of Pacific marine animals and the controversies that surround them. "A non-renewable resource vital to our oceans," claim scientists and naturalists; "..a competitor who consumes a significant portion of the world's seafood," claim fishermen. DISTRIBUTOR: PBS Video, 1980. 29-min. Level: S.

MANAGING THE OLD GROWTH FORESTS
Explains the debate now raging over "old growth" forests in the American Northwest. With interviews representing both sides of the debate, this program explores the conflict between environmental scientist and the forest products industry over the consequences of cutting huge, old trees like redwoods and Douglas fir. DISTRIBUTOR: Centre Productions. 19 1/2-min. Level: S.

MAN BELONGS TO THE EARTH
This program features Chief Dan George who offers profound insight into the native American view of nature. DISTRIBUTOR: National AudioVisual Center, 1974. 22-min. Level: E-J.

MAN'S EFFECT ON THE ENVIRONMENT
Illustrates some of the effect of man's exploitation of natural resources, and raises questions as to the quality of life such environmental changes might provide. DISTRIBUTOR: BFA Educational Media. 14-min. Level: J-S.

MAN OF THE TREES
The world's deserts are expanding because of tree felling and and overgrazing. DISTRIBUTOR: Journal Films, 1982. 25-min. Level: J-S.

MANAGING THE MISSISSIPPI: A LOCAL SOLUTION
A local joint power agreement between 8 Minnesota counties is working to protect area river corridors. The Mississippi Headwaters Board administers this Upper Mississippi River management plan which allows multiple use of the waterways yet adheres to good conservation practices. DISTRIBUTOR: CEN, 1988. 58-min. Level: J-S.

A MEDITERRANEAN PROSPECT
The Mediterranean resort areas are beginning to become overwhelmed by pollution. United Nations efforts to clean up the area and restore its long-time healthiness to both sea life and bathers are documented in this program. DISTRIBUTOR: PBS Video, 1980. 48-min. Level: J-S.

MEN AT BAY
Compels the viewer to confront the disastrous results of ecological unconcern and leaves him/her with the urgent feeling that something must be done — now. DISTRIBUTOR: BFA Educational Media. 26-min. Level: J-S.

MONUMENT FOR A GORILLA
Seven gorillas come to a new zoo in The Netherlands. Here they learn how not to climb trees and how to play with various utensils and people and even chimpanzees. In another zoo, the gorillas live freely as they did in West Africa, where the native people were terrified by their size. A film by Bert Haanstra. DISTRIBUTOR: CEN, 1989. 54-min. Level: J-S.

THE MOUNTAINS
Explores the variety of mountain forms and the forces that created them, and shows some of the typical plants and animals that live in the forests, meadows, and rocky slopes of the mountain region. DISTRIBUTOR: Barr Films. 14-min. Level E-J.

MYTHMAKERS
Answers the question "where do humans fit into nature?" by journeying to several primitive societies in the Kalahari Desert,a southern Indian Hindu village, and to modern societies. Communicates how human survival fits with and is bound to a healthy environment. DISTRIBUTOR: Films Inc., 1988. 52-min. Level: S.

NATURAL WASTE WATER TREATMENT
Demonstrates alternatives to central sewage disposal works. Prompts discussions of biological and ecological processes, economic factors, and the problems of maintaining open reed and pond areas. DISTRIBUTOR: Bullfrog Films, Inc., 1987. (From the ECOLOGY WORKSHOP series) 29-min.Level: S.

NATIONAL AUDUBON SOCIETY SPECIALS I AND II
These series offer dramatic scenes of the wonders and beauty of nature, including some of the world's rarest creatures. These specials, including GRIZZLY & MAN: UNEASY TRUCE, GALAPAGOS: MY FRAGILE WORLD, COMMON GROUND: FARMING AND WILDLIFE, and WOOD STORK, BAROMETER OF THE EVERGLADES, stress the importance of conserving our natural heritage and protecting wildlife and the environment. DISTRIBUTOR: WETA VISIONS. 10 programs, 60-min. ea. Level: S.

> *Note:* "Life in the Balance" is a companion book to the Audubon TV Specials, pubished by Harcourt Brace Jovanovich. Prize-winning nature writer David Rains Wallace gives a wide-angle view of our environment — from polar regions to tropical islands — introducing readers to the world's rarest creatures along the way with photographs, maps, drawings, and charts. Available at bookstores and libraries nationwide.

THE NATURAL HISTORY OF OUR WORLD: THE TIME OF MAN
Traces a series of case studies on animal populations and primitive human cultures that have survived or perished according to their environment. The film's message: if people are to survive they must maintain the environment that sustains them. DISTRIBUTOR: BFA Educational Media. 50-min. Level: J-S.

NATURAL SCIENCE FIRST FILM SERIES
A series of programs designed as a primer to different natural phenomena. By examining such topics as water, air, rain, the river and the mountains, the student is introduced to the environmental sciences. DISTRIBUTOR: Phoenix/ BFA Films & Videos. 10 programs, 15-min. ea. Level: E.

THE NATURE OF THINGS VI
Brings the wonders of science, nature and technology into viewers' homes with excellence and clarity. Returning for its 28th year of production, the award-winning series is enjoyed in more than 30 countries. Hosted by David Suzuki. (#3 entitled "Nuclear Power") DISTRIBUTOR: CEN, 1987. 13 programs, 52-min. Level: J-S.

THE NATURE OF THINGS VII
Brings the wonders of science, nature and technology with excellence and clarity, hosted by David Suzuki. Titles include: "Trouble in the Forest"; "Natural Connections"; "Face Value/Bird Hospital"); and "River to the Sea". DISTRIBUTOR: CEN, 1988. 10 programs, 50-min. Level: J-S.

NEW ALCHEMY: A REDISCOVERY OF PROMISE
This is a film about the New Alchemy Institute, which was founded to develop ecological approaches to food, energy and shelter. This film is also available in an expanded 58-minute version. DISTRIBUTOR: Bullfrog Films, 1984. 29-min. Level: J-S.

NOISE POLLUTION
Combines physics, biology, and meteorology to study the effects of noise on the human ear and mind. Exposes how noise pollution is responsible for changing physical structures and creating ecological imbalances. DISTRIBUTOR: Learning Corporation of America, 1972. 18-min. Level: J-S.

NORTH AFRICA: THE GREAT SAHARA
Examines how technology has effected the independent Saharan nations, replacing the camel with the motor cart and pressuring nomads to adjust to a sedentary way of life. Explores the moving sand dunes, rocky plains, rugged plateaus, and mountains which compose the patchwork of deserts that comprise the Sahara. DISTRIBUTOR: Coronet Film & Video. 15-min. Level: E-S.

OCEAN
Presents a poetic expression of the sea in all its moods — boundless, endless, and even sublime. The poetry of John Keats and Lord Byron is read to speak for man's deepest feelings toward the ocean. DISTRIBUTOR: Phoenix Films & Video. 10-min. Level: J-S.

THE OCEAN: A FIRST FILM
Illustrates how the ocean, because it effects the weather and climate and is a source of food, greatly influences all living things, including people. Without the oceans, life as we know it could not exist. DISTRIBUTOR: BFA Educational Media. 11-min. Level: E.

OCEAN DUMPING
Years of uncontrolled dumping of sewage and industrial and medical wastes have left our oceans unfit for recreation and have made our seafood unfit for human consumption. While political battles over dumping rage in Congress, this program tries to find answers to how resilient and sensitive our oceans are to continued abuse. DISTRIBUTOR: EEN/IPS, 1989. 30-min. Level: J-S.

ODYSSEY: A QUEST FOR ENERGY
Domestic energy supplies must be increased-in harmony with the environment. This program addresses the following energy resources and presents the pros and cons of each: coal, solar, synthetics, geothermal, and nuclear. DISTRIBUTOR: New York State Education Department, 1984. 30-min. Level: J-S.

OFFSHORE OIL: ARE WE READY?
A cautionary film that explores in depth the impact that offshore oil discoveries can have on local industries, particularly fisheries. DISTRIBUTOR: National Film Board of Canada, 1981. 38-min. Level: J-S.

ON AMERICAN SOIL
A study of the problem of modern-day soil erosion. DISTRIBUTOR: Bullfrog Films, 1983. 28-min. Level: J-S.

OUR DYNAMIC EARTH
Dramatizes changes in the earth's crust with live-action footage of earthquakes and volcanoes. Animation explains these events in terms of plate tectonics. DISTRIBUTOR: National Geographic, 1979. 23-min. Level: J-S.

OUTDOOR MAGAZINE II
Producer/host Dick Davis further defines his perspective on wildlife conservation management. Continues to emphasize responsible hunting techniques and wildlife conservation procedures. DISTRIBUTOR: EEN/IPS, 1987. 13 programs, 30-min. Level: J-S.

OUR WATER, OUR LIVES
Examines what six countries are doing with U.N. aid to maintain safe drinking water and adequate sanitation. DISTRIBUTOR: Barr Films, 1988. 30-min. Level: S.

PASS IT ALONG
A series of world-renowned artists communicate perceptions and concerns about the environment through art. Includes photographer Ansel Adams and painter Friedensreich Hundertwasser expressing their ideas on environmental care. DISTRIBUTOR: GPN, 1985. 8 programs, 15-min. ea. Level: E-I.

A PLAGUE ON OUR CHILDREN
This two-part program looks at the consequences of the use of products such as Dioxins and PCBs. These toxic chemicals are blamed for gross birth defects, miscarriages, cancer, and other illness. They have not yet been banned because of the chemical industry's lobbyists and lawyers. The programs are available individually. DISTRIBUTOR: Time Life Video, 1980. 57-min. Level: J-S.

PLANET EARTH
A series which travels from Rajasthan to Venus hosted by noted discoverers such as atmospheric chemist James Lovelock and astrophysicist Rich Muller. Among the sub-titles are "The Living Machine", "The Climate Puzzle", and "The Solar Sea". DISTRIBUTOR: The Annenberg/CPB Collection, 1986. 7 programs, 60-min. ea. or 14 programs, 30-min. ea. Level: S.

PLASTICS ARE A DIFFERENT KIND OF TRASH
Designed for offshore oil and gas industry in the Gulf of Mexico. Contains instructors guide, and an answer sheet. DISTRIBUTOR: Center for Marine Conservation/Marine Debris Information Office. 6-min. Level: J-S.

THE POLITICS OF WATER
Examines the struggle, often between judges and attorneys in court, over a limited amount of water. Questions who really owns America's water and what should be done to ensure that water will be available for future generations. DISTRIBUTOR: GPN. 60-min. Level: S.

POLLUTION OF THE UPPER AND LOWER ATMOSPHERE
Takes a look at fixtures in our world such as the internal combustion engine and jet aircraft, and analyzes the effects of these technologies on the earth's atmosphere. DISTRIBUTOR: Learning Corporation of America, 1975. 17-min. Level J-S.

POLLUTION: WORLD AT RISK
Examines many of the ways in which we've contaminated our environment. Through freeway travel, NASA images, and police surveillance of illegal toxic dumping, shows that pollution has many causes and that its effect may be long-term, local or global. Also presents solutions. DISTRIBUTOR: National Geographic Society, 1989. 25-min. Level: I-S.

THE POND
Examines the interdependent members of the community in a pond. From the LIVING SCIENCE series. Worldwide distribution rights. DISTRIBUTOR: International Film Bureau, 1981. 20-min. Level: I-J.

POWER STRUGGLE
Deals with the energy supply and efficiency and maintains that nuclear power is disastrous in terms of cost and wastes. Reviews alternative energy sources. DISTRIBUTOR: Bullfrog Films, Inc., 1986. 58-min. Level: J-S.

THE PRAIRIE
Features North America's vast prairie grasslands with nutrient-rich soils that form one of the most productive farming areas in the world. The narration offers clear explanations of the prairie ecosystem. DISTRIBUTOR: Barr Films. 14 1/2-min. Level: E-J.

PRAIRIE: OUR NATURAL HERITAGE
Attempts to foster an aesthetic appreciation as well as a sophisiticated scientific understanding of the prairie. DISTRIBUTOR: GPN (nonbroadcast) and NETCHE (broadcast), 1983. two programs, 30-min. ea. Level: J-S.

PROJECT UNIVERSE
A 30-part series introducing students to the origin, characteristics, and evolution of the solar system, the stars, the galaxies, and the universe. Among varied techniques employed in the program are animation, special effects, technical films, and interviews with some of the most noted research scientists in astronomy and related fields. DISTRIBUTOR: Educational Program Service. 30-min. each. Level: S (Advanced Placement).

THE PROMISE OF THE LAND
Looks at agriculture's golden age of prosperity at the turn of the century, and the calamity of the 1930's—the "Dust Bowl," a result of man's intervention with the land. Examines current agricultural practices of man-made irrigation and pesticides, explores an organic farm, talks with experts at the land institute, and visits a large-scale farm threatened by salt accumulation in California. DISTRIBUTOR: WETA Vision. 60-min. Level: S.

PRUDHOE BAY — OR BUST
An examination of how 800 miles of pipeline will affect the wildlife of Alaska and the natural environment. DISTRIBUTOR: Indiana University AV Center, 1970. 30-min. Level: J-S.

PUTTING ASIDE PESTICIDE
Shows how chemical pesticides use has grown recently, and the concomitant health risks to farm workers, consumers, and wildlife. Research in biological control methods is presented. DISTRIBUTOR: Films for the Humanities, 1988. 26-min. Level: E-S.

RAMPAGING CARBONS
A documentary about the research that the National Environment Research Council is doing on carbon release and carbon absoption into the atmosphere. DISTRIBUTOR: Stanfield House, 1984. 27-min. Level: J-S.

READING RAINBOW
Each episode promotes a positive self-concept and literacy skills—and includes a television adaptation of a children's picture book, a "field trip" segment, illustration on the use of the library as a vital resource, and reviews of books by children. SOME EPISODES COVER ISSUES THAT PERTAIN TO THE ENVIRONMENT. DISTRIBUTOR: GPN. 60 programs, 30-min. ea. Level: E.

RECYCLING: WASTE INTO WEALTH
This film outlines the benefits and actual process of mass recycling. DISTRIBUTOR: Bullfrog Films, 1985. 29-min. Level: J-S.

THE RED DEER
The story of man's folly in introducing an animal into an environment that is not ready for it and the bizarre consequences that flow from it. DISTRIBUTOR: Journal Films, 1979. 24-min. Level: J.

REPLANTING THE TREE OF LIFE
Illustrates the symbolic, economic, and ecological importance of trees. Covers logging, reforestation, land use, water relations, and the use of trees for energy and shelter. DISTRIBUTOR: Bullfrog Films, Inc., 1987. 20-min. Level: S.

THE RESTLESS SEA
This updated version of an animated and live action Disney classic adds facts on global plate tectonics, including information about the beginning of the sea and primal life; the sea's chemical composition; the effect of gravitational pull on tides and currents; and the effect of density and pressure on animal and plant life. DISTRIBUTOR: Disney Educational Productions. 36-min. Level: E-S.

RESTORING THE ENVIRONMENT
Documents how the technological prowess that produces toxic wastes can also solve toxic waste problems. Innovations are described such as on-site incineration and recycling. DISTRIBUTOR: Films for the Humanities, 1988. 26-min. Level: J-S.

RICHES FROM THE EARTH
Describes the discovery and depletion of the earth's riches and scrutinizes the effects of technology, conservation, and recycling. DISTRIBUTOR: National Geographic Society, 1982. 20-min. Level: J-S.

RICHES FROM THE SEA
Explores consumption of the sea's riches—fish, aquaculture, petroleum, natural gas, and minerals. As exploitation of these riches increases, the sea depends on us to use them wisely. DISTRIBUTOR: National Geographic Society, 1984. 23-min. Level: J-S.

RIDERS ON THE STORM
Focuses on ground water pollution problems in the Chesapeake Bay and in Nebraska. DISTRIBUTOR: EEN/IPS,. 60-min. Level: J-S.

THE ROCK
As a resting place for migratory birds, way station for whales and home for a multitude of marine creatures, the Rock provides an unusual opportunity to study a large variety of life in a small and isolated locale. But it is only recently that the resources of this little-known island have been tapped — as navigational landmark, productive fishing area, and most recently, as a giant open-air research laboratory. DISTRIBUTOR: GPN. 30-min. Level: S.

ROCKBOUND: THE MAJESTIC MAINE COAST
Truly captures the sound and beauty of the Maine Coast in a manner that invites repeated viewing. Visited in all seasons of the year, and viewed from air, land and sea, it gives insights on lobstering you have probably never heard. DISTRIBUTOR: CEN, 1989. 28-min. Level: J-S.

SADDLEBACK
This program is designed as a primer in conservation, an account of exactly how to go about saving a species that is on the edge of extinction. DISTRIBUTOR: Journal Films, 1979. 24-min. Level: E-J.

SAVE THE WETLANDS
Utilizing the unique music, culture and scenery of New Orleans, Louisiana, this film makes the viewer more aware of the need to protect our rivers and environment. DISTRIBUTOR: Centre Productions. 10-min. Level: S.

THE SEA BEHIND THE DUNES
A year in the life of a coastal lagoon unfolds as this entry in the NOVA series documents the intricate tidal ecosystem which supports the ocean. DISTRIBUTOR: Time Life Video, 1981. 57-min. Level: J-S.

SEACOASTS: A FIRST FILM
Delineates the many types of seacoasts: sandy, rocky, tidal marsh. Explores the animal life dependent on these changing coasts. DISTRIBUTOR: BFA Educational Media. 10-min. Level: E-J.

THE SEASHORE—THE ATLANTIC COAST
Delineates the variety of shorelines that stretch from Nova Scotia to Florida and reveals the variety of animals living along the rocky coasts, salt marshes, and sandy beaches of the Atlantic coastline. DISTRIBUTOR: Barr Films. 15-min. Level: E-S.

SEAS UNDER SEIGE
Focuses on the impact of domestic and industrial pollution on the New Jersey coast, as well as Puget Sound on the U.S. West Coast and the North Sea, Baltic Sea region off the west coast of Sweden. The geographic mix places the New Jersey story in its proper perspective as part of a world-wide problem. DISTRIBUTOR: CEN, 1989. 58-min. Level: J-S.

A SECOND CHANCE
A look at the encroachment of wildlife by industry, and how the latter can coexist and incorporate environmental concerns into its design. DISTRIBUTOR: New York State Education Dept., 1986. 27-min. Level: J-S.

SEEDS OF SURVIVAL
This program looks at the problem of chemically tainted farm soil. DISTRIBUTOR: FilmFair Communications, 1983. 28-min. Level: J-S.

A SENSE OF HUMUS
This program documents a new method of farming called organic farming. It's the practice of growing food commercially without chemical fertilizers, pesticides, or herbicides so as to preserve the topsoil for future generations. In one instance, land unfit for agriculture yielded nearly twice the national average of wheat. DISTRIBUTOR: Bullfrog Films, 1977. 28-min. Level: J-S.

SHARKS
Focuses on the value of sharks in the marine ecosystem and addresses their survival prospects for the future. DISTRIBUTOR: WETA Visions. (NATIONAL AUDUBON SOCIETY Specials III) 60-min. Level: S.

SIDEWALKS OF SHADE
This tape looks at neighborhood and community tree-planting programs around the Northeast. DISTRIBUTOR: Cornell University, 1981. 25-min. Level: J-S.

SILENT FOREST
Reveals the unique forest stretches that lie beneath the ocean's surface along the Pacific coastline of North America. There is a self-regulating, natural balance among all the life forms, but man's pollution can cause the destruction of the kelp forest and the ecosystem it supports. DISTRIBUTOR: Barr Films. 23-min. Level: E-S.

SILVER VALLEY
A riveting documentary on the closing of the Bunker Hill Mine in Kellogg, Idaho in Silver Valley. From the SPIRIT OF PLACE series. DISTRIBUTOR: CEN, 60-min. Level: J-S.

THE SKY'S THE LIMIT
An investigation of the causes and consequences of urban air pollution, using the San Francisco Bay as a case study. Contributing factors such as industry, refineries, and automobiles are examined. DISTRIBUTOR: University of California Berkeley, 1980. 23-min. Level: J-S.

SOMETHING NOBODY ELSE HAS...
A look at the Louisiana bayou, its human denizens and endangered animal life. DISTRIBUTOR: Bullfrog Films, 1985. 29-min. Level: J-S.

SOUTHWEST AFRICA: THE FORGOTTEN DESERT
Investigates two deserts: the forbidden Namib on the coast, where the fog banks bring life-giving water two months of the year, and to the east, the less formidable Kalihari. Documents the post-WWI South African occupation of Namibia, and how Bantu and Bushmen inhabitants became laborers on white-owned farms and diamond mines. DISTRIBUTOR: Coronet Film & Video. 15-min. Level: J-S.

STABILIZING COASTAL BLUFFS WITH PLANTS
This is a demonstration of the various methods that can be used for stabilizing erosion of land along waterways. DISTRIBUTOR: Cornell University, 1983. 26-min. Level: J-S.

A STREAM ENVIRONMENT
Explores a sparkling stream, revealing its source high in the mountains and showing the many forms of life both above and below the surface that depend on the water for life. DISTRIBUTOR: Barr Films. 9-min. Level: E.

SUN POWER
An animated sun tells its own story, explaining how its hydrogen is converted to helium to create radiant energy, and how that energy is then transferred to life on earth through photosynthesis and the food chain. DISTRIBUTOR: Barr Films. 12 1/2-min. Level: E-J.

A SWAMP ECOSYSTEM
This program looks at the biological succession of one particular swamp ecosystem, the freshwater Okefenokee swamp. DISTRIBUTOR: National Geographic Society, 1983. 25-min. Level: J-S.

TAHOE: MOVING BEYOND THE CONFLICT
Shows the crux of the problem facing the Tahoe Basin's fragile ecosystems: increased population, expanding commercial enterprises, and mounting tourist activity. Discusses water quality, the impacts of erosion and nutrient loading on algal blooms, and the decreasing transparency of the lake. DISTRIBUTOR: University of California Extension Media Ctr., 1987. 19-min. Level: J-S.

TAPPING THE FORGOTTEN ASSET
A study of the barge canal system of New York State, juxtaposing historical photos with contemporary scenes of boats and tourists on the canals. DISTRIBUTOR: New York State Education Dept, 1985. 30-min. Level: J-S.

TERRA: OUR WORLD
This series is designed to make the viewer aware of environmental issues such as food, energy and pollution. At the beginning of each program, television newswoman Connie Chung introduces an environmental issue. Interviews, explanations, and on-site visits follow, all of which provide information and raise questions about the scientific, aesthetic, social, and economic implications of the problem and its possible solutions. The programs are available individually. DISTRIBUTOR: Agency for Instructional Technology, 1980. 10 programs, 20-min. Level: J-S.

TERRITORY IN CONFLICT
Conveys the conflict in values between economic interests and environmental concerns. Documents the conflict between the people of Crested Butte, a small Colorado mining town, and AMAX, an international corporation intent on mining the molybdenum in the mountains overlooking the town. DISTRIBUTOR: Centre Productions. 29-min. Level: J-S.

THIN EDGE OF THE BAY
Using San Francisco Bay as a focus, this program studies the economic and political conflicts over shrinking environmental resources in urban areas. DISTRIBUTOR: University of California Berkeley, 1980. 22-min. Level: J-S.

3-2-1 CONTACT: WATER — MEDIUM FOR LIFE
Children get to find out how and why the water cycle is so vital to life on earth. DISTRIBUTOR: The Center for Humanities, 1984. 40-min. Level: E.

THE TOXIC GOLD RUSH
Focuses on the new multi-billion dollar toxic waste disposal industry and how its methods and practices are being challenged by environmental groups as well as individuals. DISTRIBUTOR: Films for the Humanities, 1988. 26-min. Level: I-S.

TOXIC WASTE IN AMERICA
An examination of how peoples lives' can be destroyed through toxic waste. DISTRIBUTOR: Downtown Community TV Center, 1984. 25-min. Level: I-J.

TOXIC WASTE: INFORMATION IS THE BEST DEFENSE
In two parts, this program shows how community groups can organize protests and ordinances to fight toxic dumping. DISTRIBUTOR: Bullfrog Films, 1986. 26-min. Level: J-S.

TREE POWER
This program puts the use of wood for home heating in perspective. DISTRIBUTOR: Bullfrog Films, 1980. 28-min. Level: J-S.

TROUBLED WATERS
This documentary examines how oil exploration is threatening California's coastal wildlife. DISTRIBUTOR: University of California Berkeley, 1985. 28-min. Level: J-S.

UNDERSEA RESEARCH IN THE NORTH ATLANTIC
Stunning deep sea footage taken from submersible vessels off the New England coast survey recent conservation efforts in what could be called our nation's last frontier. Part 1, "Lobsters" explores the habits and habitats of the crustacean. Part 2, "Fisherman's Battle" examines the conflict between commercial and recreational fishermen and the work of marine biologists to protect the region's ecological galance. DISTRIBUTOR: EEN/IPS. 2 programs, 60-min ea. Level: J-S.

UNITED STATES: THE GREAT AMERICAN DESERT
Explores the vast semi-arid region extending beyond the Mississippi within which there are four distinct North American deserts. Analyzes the competition for water, population explosion, and controversial land uses that have created a concern over these deserts' future. DISTRIBUTOR: Coronet Film & Video. 15-min. Level: E-S.

UNIVERSE & I
A series with 10 topic areas including environmental programs: "Jake's Gate" — the use of recycled material, "Bringing the Ocean Inside" — duplicating an ocean environment, and "Mind-Slaughter" — effects of altering ecosystems. DISTRIBUTOR: The Kentucky Network. 22, 20-min. ea. Level: I-J.

UNWASTED STORIES: APPROACHING MINNESOTA WASTE ISSUES
Examines the controversy over the impeding construction of a solid waste incinerator in downtown Minneapolis. The importance of recycling, resource recovery, and composting of paper, metal, glass, and plastics is emphasized. DISTRIBUTOR: Intermedia Arts Minnesota, 1988. 75-min. Level: S.

URBAN IMPACT ON WEATHER AND CLIMATE
Explores whether cities experience more cloud cover and rain than rural areas. Revealing meteorological findings show how weather and climate can be effected by the concentration of large buildings in urban environments. DISTRIBUTOR: Learning Corporation of America, 1972. 16-min. Level: J-S.

USE IT, USE IT UP
This program examines how simple changes in domestic and commerical habits can have profound social and environmental effects. DISTRIBUTOR: University of California Berkeley, 1975. 26-min. Level: J-S.

THE VANISHING EARTH
A video documentary on the environmental concerns of the T'boli people, who live in the hills of Mindanao in the Philippines. DISTRIBUTOR: Cornell University, 1985. 30-min. Level: J-S.

VANISHING RAINFORESTS
A package including teacher's guide, workbook, and short video which provide information on tropical rain forests and their importance. DISTRIBUTOR: World Wildlife Fund, 1988. 6-min. Level: E-J.

WASTE NOT: REDUCING HAZARDOUS WASTE
Discusses water management in industry and distinguishes pollution control from pollution prevention. Methods of each are illustrated and the prevention aspect is emphasized. DISTRIBUTOR: Umbrella Films, 1988. 35-min. Level: S.

WASTE NOT, WANT NOT!
Looks at the three R's—re-use, refuse, and recycle — and how they can reduce the mountains of garbage we create. Travels to dumps, landfills, and incinerators to see how the waste is dealt with, and what materials can be recovered. DISTRIBUTOR: TVOntario Video. 25-min. Level: J-S.

WATCH OUT FOR MY PLANT
A young inner-city boy's struggles to grow a flower in the patch of dirt between his house and the sidewalk convey the message that everyone can do something about the environment. DISTRIBUTOR: Barr Films. 13-min. Level: E.

THE WATER OF AYOLE
Explores the problems facing developing countries in providing safe and accessible drinking water to rural and urban populations. The main message is that technology alone will not solve problems; involving local people in planning and execution of projects is essential. DISTRIBUTOR: United Nations Development Program, 1988. 28-min. Level: J-S.

WATER: A CLEAR AND PRESENT DANGER
A look at the problem of ground water contamination and what's being done about it. DISTRIBUTOR: MTI Teleprograms, 1983. 26-min. Level: J-S.

WATER, BIRTH, PLANET EARTH SERIES
These two films survey various aspects of our environment, and show how life began in the sea and on land. DISTRIBUTOR: Coronet/MTI Film & Video, 1985. 2 programs, 25-min ea. Level: I-J.

WATER CRISIS?
This program examines water conservation techniques for small farmers. DISTRIBUTOR: Self Reliance Foundation, 1982. 45-min. Level: J-S.

THE WATER CRISIS
This entry in the NOVA series shows that water scarcity could become the next natural issue. Water problems, from the Adirondack mountains in New York, to the Mississippi River, to the West Coast, are discussed. DISTRIBUTOR: Time Life Video, 1981. 57-min. Level: J-S.

WATER: MORE PRECIOUS THAN OIL
Examines the world's growing water crises, the issues of water management and its conservation on a global basis. DISTRIBUTOR: PBS Video, 1980. 58-min. Level: S.

WATER POLLUTION: A FIRST FILM
Describes the water cycle and our part in it to facilitate understanding of the problems and dangers of pollution. Informs on aquifiers and their role in the reprocessing of polluted water and on other methods of pollution control. DISTRIBUTOR: BFA Educational Media. 12-min. Level: E-J.

WATER: A PRECIOUS RESOURCE
Teaches students the many ways in which water is used and abused. Greater awareness of the need to protect water is an important step in improving the quality of our water. DISTRIBUTOR: National Geographic Society, 1980. 23-min. Level: I-S.

WATER WARS: THE BATTLE OF MONO LAKE
The controversy surrounding the diversion of fresh water from California's Mono Lake to the city of Los Angeles is examined. DISTRIBUTOR: University of California Berkeley, 1984. 39-min. Level: J-S.

WAYS OF THE LAW
Documentaries, drama, surrealism, mime—even a stark interview with a prisoner—combine to present a comprehensive examination of our legal system. ONE TITLE ADDRESSES ENVIRONMENTAL LAW. DISTRIBUTOR: GPN. 15 programs, 20-min. ea. Level: S.

WHEAT TODAY—WHAT TOMORROW?
Graphically demonstrates the conflict between economic pressure for short-term exploitation of the land, and long-term, ecologically balanced agricultural solutions for arid regions. Uses a hands-on approach. DISTRIBUTOR: Bullfrog Films, 1988. 32-min. Level: E-S.

WHEN THE RIVERS RUN DRY
A cultural history of water use in the semiarid Southwest, a region marked by alternating problems of drought and flood. DISTRIBUTOR: University of California Berkeley, 1980. 29-min. Level: J-S.

WHICH IS MY WORLD?
A non-verbal presentation of greed as a major cause of environmental pollution. DISTRIBUTOR: BFA Educational Media. 9-min. Level: I-S.

WILD GOOSE JACK
This documentary focuses on the life and career of ornithologist and naturalist Jack Miner. DISTRIBUTOR: Direct Cinema Limited, 1983. 57-min. Level: J-S.

WILL THE WORLD STARVE? — NOVA
Examines the damage done by sudden agricultural expansion in Third World Countries due to the "green revolution" of the 1960's, a project designed to feed the world, and explains steps to replenishing eroded soil. DISTRIBUTOR: Coronet Film & Video, 1987. 58-min. Level: S.

THE WONDERFUL WEATHER MACHINE
An animated sun describes how gravity, water, the land, air and sun together contribute to different weather conditions. Explains clouds, rain, wind, snow, thunderstorms, tornadoes and hurricanes. DISTRIBUTOR: Barr Films. 12 1/2-min. Level: E-I.

WOODCOCK WOODLANDS
Explores the reasons for the decline of the American Woodcock, among the most popular of all game birds of the Eastern United States. Documents the woodcock's life cycle and illustrates steps forestland owners can take to insure the bird's survival. DISTRIBUTOR: GPN. 30-min. Level: S.

WOOD IS TOO GOOD TO BURN
Discusses the new ways scientists have discovered to use wood — as a source for synthetic fibers, plastics, medicine, and gasoline. Shows how wood is utilized by an experimental paper mill for use in other new products, and how laboratory research is testing new methods of reducing shortages. DISTRIBUTOR: PBS Video, 1980. 29-min. Level: S.

THE WORLD IS A BANK
Explores some of the ways we can safeguard our wealth of natural resources so that we can enjoy them for many more years. DISTRIBUTOR: BFA Educational Media. 9-min. Level E-J.

SECTION V: SLIDE SHOWS AND FILMSTRIPS

FORESTS ARE MORE THAN TREES
Shows the importance of forests and how they protect wildlife, soil and water supplies. Covers ecology, forest uses, recreation and threats to forest welfare, such as deforestation and acid rain. DISTRIBUTOR: National Wildlife Federation. 20-min. (Filmstrip/tape and educator's guide.) Level: I-S.

MARINE DEBRIS AND ENTANGLEMENT
Offers an overview of the problem of marine debris wildlife. (Slide show.) DISTRIBUTOR: Center for Environmental Education. Level: I-S.

MARINE DEBRIS AND COMMERCIAL FISHERMAN SLIDE SLOW
Details marine debris problems and how they relate to commercial fishermen, with script and cassette narrative. (Slide show.) DISTRIBUTOR: Center for Marine Conservation/Marine Debris Information Office. Level: I-S.

THE POTENTIAL FOR CONTAMINATION OF GROUNDWATER BY ABANDONED LAND FILLS: THE USE OF AIRPHOTOS AS AN ASSESSMENT TOOL
Illustrates how airphoto analyses and interpretation can be used to help solve the complex problem of groundwater contamination by abandoned landfill operations. (Slides and video.) DISTRIBUTOR: Cornell University A-V Ctr., 1988. Level: S.

PREDATORS
Takes a close-up look at the eyes of a wolf, the jaws of a cat, and the talons of a hawk, to explain how they adapted to finding, catching and eating their prey. (Script in Educator's Guide, filmstrip/tape and slide/tape.) DISTRIBUTOR: National Wildlife Federation. Level: I-S.

SEA TURTLES
Examines sea turtle biology, behavior, and threats to survival. DISTRIBUTOR: Center for Environmental Education. Level: I-S.

SOIL: WE CAN'T GROW WITHOUT IT
Illustrates the full scope of soil issues facing America today — the danger to topsoil and the agricultural community, the healthy living space soil provides for animals — and what is being done in the vital field of soil conservation. (Script in Educator's Guide, filmstrip/tape and slide/tape.) DISTRIBUTOR: National Wildlife Federation. Level: I-S.

THIS IS YOUR LAND
Shows the beauty of America's rich natural heritage. Depicts how, through balanced management, we can use and enjoy these public lands. (Script in Educator's Guide, filmstrip/tape and slide/tape.) DISTRIBUTOR: National Wildlife Federation. Level: I-S.

THE TURTLE EXCLUDER DEVICE
Includes discussion of the turtle excluder device and how it protects sea turtles from dying in shrimp nets. DISTRIBUTOR: Center for Environmental Education. Level: I-S.

WASTEWISE
Offers an up-to-date summary of the issues communities face in the disposal of solid waste. Landfilling, composing, recycling and reclamation, and resource discovery are discussed. DISTRIBUTOR: Cornell University A-V RESOURCE CENTER, 1988. 74 SLIDES, 1 CASSETTE, 19-min. Level: S.

WATER: WE CAN'T LIVE WITHOUT IT
Shows how freshwater habitats support wildlife, what threatens our water supplies every day, and how we can conserve this vital resource. (Script in Educator's Guide, filmstrip/tape and slide/tape .) DISTRIBUTOR: National Wildlife Federation. Level: I-S.

WHALES
Exanmines whale biology, behavior, whaling, and their current status. DISTRIBUTOR: Center for Environmental Education. Level: I-S.

THE YEAR OF THE WILDEBEEST
This 55-minute filmstrip by Alan Root examines the evolution, geology, ecology, and aninmal behavior of the one million wildebeest as they travel in year in their 2,000 mile migration in Tanzania in search of grass and water. DISTRIBUTOR: Benchmark Films.

THE YEAR OF THE WILDEBEEST
This edited 30-minute filmstrip of Alan Root's acclaimed documentary tracks the one million wildebeest as they travel in year in their 2,000 mile migration in Tanzania in search of grass and water. DISTRIBUTOR: Benchmark Films.

SECTION VI: BOOKS FOR GRADES K-12

GENERAL BOOKS FOR YOUNGER GRADES

ABC OF ECOLOGY by Frances Womsak. Los Altos Hill, CA., Davenport, 1982.

IUNK by Nick Ward. Bridgeport, Connecticut, Merrimack, 1984.

THE MUD GRUMP by Jack Greene. Lexington Park, Maryland, Golden Owl, 1980.

SEA TURTLE COLORING BOOK Washington, DC, Center for Environmental Education.

ANIMALS IN DANGER by Benjamin Kalman. New York, New York, Random House, 1982.

CONSERVATION AND POLLUTION by Lawrence Santrey. Mahwah, New Jersey, Troll Associates, 1985.

ENDANGERED ANIMALS by Lynn Stone. Chicago, Illinois, Children's Press, 1984.

EVERY DAY IS EARTH DAY by Illa Podendorf. Chicago, Illinois, Children's Press, 1971.

THE LIVING OCEAN by Rupert Ormond. Chicago, Illinois, Children's Press, 1981.

MARSHES AND SWAMPS by Lynn Stone, Chicago, Illinois, Children's Press, 1983.

MARINE DEBRIS COLORING BOOK, (no charge). Washington, DC, Center for Marine Conservation/Marine Debris Information Office.

POLLUTION by Herta Breiter. Milwaukee, Wisconsin, Raintree, 1983.

RANGER RICK'S ANSWER BOOK edited by Howard Robinson. Vienna, Virginia, National Wildlife Federation, 1981.

SAVING OUR ANIMAL FRIENDS by Susan McGrath. Washington, D.C., National Geographic Society, 1986.

WHAT'S UNDER THE SEA? by Solveig Paulson Russel. Nashville, Tennessee, Abingdon, 1982.

ANIMALS IN DANGER edited by the National Geographic Society. Washington, D.C., National Geographic Society, 1978.

DREAMS OF A PERFECT EARTH by Margery Milne. New York, New York, Athenaeum, 1982.

FOR CRYING OUT CLOUD: A STUDY OF ACID RAIN by Marla Coyne. Minneapolis, Minnesota, Tasa Publishing Company, 1981.

THE MYSTERIOUS UNDERSEA WORLD by Jan Leslie Cook. Washington, D.C. National Geographic Society, 1980.

OUR AMAZING OCEAN by David A. Adler. Mahwah, New Jersey, Troll Associates, 1983.

OUR WILD WETLANDS by Sheila Cowing. New York, New York, J. Messner, 1980.

POISONED LAND: THE PROBLEM OF HAZARDOUS WASTE by Irene Kiefer. New York, New York, Athenaeum, 1981.

POLLUTION by Geraldine and Harold Woods. New York, New York, F. Watts, 1985.

RESCUE FROM EXTINCTION by Joseph E. Brown. New York, New York, Dodd, Mead & Co., 1981.

SEA TURTLES COLORING BOOK by Francine Jacobs, illustrated by Mary Beath, (in Spanish and English). Washington, DC, Center for Environmental Education.

THE TRIP OF A DRIP by Vicki Cobb. Boston, Massachusetts, Little, Brown & Co., 1986.

WATER FOR THE WORLD by Franklin Branely. New York, New York, Crowell Jr., 1982.

WATER RESOURCES by Trudy Hammer. New York, New York, F. Watts, 1985.

WETLANDS by William A. Niering. New York, New York, Knopf, 1985.

WHAT SHALL WE DO WITH THE LAND? by Laurence Pringle. New York, New York, Crowell, 1981.

WHICH WAY TO THE WILDERNESS? by Tricia Springstubb. Boston, Massachusetts, Little, Brown & Co., 1984.

GRADES 7 - 12 (By topic)

AIR

ACID RAIN by Kathlyn Gay. New York, New York, F. Watts, 1983.

ACID RAIN: A SOURCEBOOK FOR YOUNG PEOPLE by Christina Miller. New York, New York, J. Messner, 1986.

THE DOLPHIN'S ARC edited by Elisavietta Ritchie. College Park, Maryland, SCOP Press.

GOING SOUR: SCIENCE AND POLITICS OF ACID RAIN by Roy Gould. Cambridge, Massachusetts, Birkhauser Boston Inc., 1985.

INDUSTRIAL POLLUTION by Eva and Alexander Stwertka. New York, New York, F. Watts, 1981.

A KILLING RAIN: THE GLOBAL THREAT OF ACID PRECIPITATION by Thomas Pawlick. San Francisco, California, Sierra Club Books, 1984.

THE NEW YORK TIMES ENCYCLOPEDIC DICTIONARY OF THE ENVIRONMENT by Paul Sarnoff. New York, New York, Quadrangle Books, 1971.

TROUBLED SKIES, TROUBLED WATERS: THE STORY OF ACID RAIN by Jon R. Luoma. New York, New York, Viking, 1984.

WE ARE THE TARGETS: THE STORY OF ENVIRONMENTAL IMPACT by Harold J. McKenna. New York, New York, Richards Rosen Press, 1980.

SOLID AND HAZARDOUS WASTE

EVERYONE'S TRASH PROBLEM by Margaret O. and Bruce G. Hyde. New York, New York, McGraw-Hill, 1979.

WASTE: THE POISONING OF AMERICA BY TOXIC CHEMICALS by Michael Brown. New York, New York, Pantheon, 1980.

POISONED LAND: THE PROBLEM OF HAZARDOUS WASTE by Irene Kiefer. New York, New York, Athenaeum, 1981.

THROWING THINGS AWAY by Laurence Pringle. New York, New York, Crowell, 1986.

TOXIC THREAT by Stephen Zipko. New York, New York, F. Messner, 1986.

TOXIC WASTE: CLEANUP OR COVERUP by Malcolm Weiss. New York, New York, F. Watts, 1984.

THE WASTE WATCHERS: A CITIZEN'S HANDBOOK FOR CONSERVING ENERGY AND RESOURCES by Arthur H. Purcell. New York, New York, Anchor Books, 1980.

WASTES by Christina G. Miller. New York, New York, F. Watts, 1986.

WHO IS POISONING AMERICA? edited by Ralph Nader, et al. San Francisco, California, Sierra Club Books, 1981.

WATER

A NATION OF OCEANS. Washington, D.C. Center for Environmental Education.

CITIZENS GUIDE TO PLASTIC IN THE OCEAN: MORE THAN A LITTER PROBLEM. Washington, DC, Center for the Environmental Education.

THE OCEAN: CONSIDER THE CONNECTIONS. Washington, DC, Center for Environmental Education.

OCEANS IN PERIL by Christopher Fine. New York, New York, Athenaeum, 1987.

OCEANS OF ENERGY: RESERVOIR OF POWER FOR THE FUTURE by Augusta R. Goldin. New York, New York, Harcourt Brace Jovanovich, 1980.

OCEANS OF THE WORLD: OUR ESSENTIAL RESOURCE by Kirk Polking. New York, New York, Putnam, 1983.

WATER, THE LIFE SUSTAINING RESOURCE by Robert Gardner. New York, New York, J. Messner, 1982.

WATER: THE NEXT GREAT RESOURCE BATTLE by Laurence Pringle. New York, New York, Macmillan, 1982.

WATER: TOO MUCH, TOO LITTLE, TOO POLLUTED by Augusta Goldin. New York, New York, Harcourt Brace Jovanovich, 1983.

PESTICIDES/CHEMICALS

SILENT KILLERS: RADON AND OTHER HAZARDS by Kathlyn Gay. New York, New York. F. Watts, 1988.

ECOLOGY

ECOLOGY by Martin J. Gutnik. New York, New York, F. Watts, 1984.

THE NEW ENVIRONMENTAL HANDBOOK edited by Garrett DeBell. San Francisco, California, Friends of the Earth, 1980.

PLANET EARTH 2000 by David Lambert. New York, New York, Facts on File, 1985.

CONSERVATION

LIVES AT STAKE: THE SCIENCE AND POLITICS OF ENVIRONMENTAL HEALTH by Laurence Pringle. New York, New York, Macmillan, 1980.

TO THE RESCUE: SEVEN HEROES OF CONSERVATION by Rita Vandivert. New York, New York, F. Warne, 1982.

THE WILDERNESS WAR: THE STRUGGLE TO PRESERVE AMERICA'S WILDLANDS by Edward B. Weinstock. New York, New York, J. Messner, 1982.

AMERICA'S WILD WOODLANDS edited by Donald J. Crump et al. Washington, D.C., National Geographic Society, 1985.

SECTION VII: RESOURCE PERIODICALS AND PUBLICATIONS

Of Special Note: The Environmental Protection Agency's Public Information Center (PIC) maintains a wide selection of publications on major environmental topics. PIC materials are nontechnical and have been prepared as sources of general environmental information for the public. Technical documents are also available through the EPA Library, the National Technical Information Service, or the publishing office within EPA. Many of the publications listed below are currently available through the PIC. EPA publications are listed by title with the date of the publication and EPA number. All EPA publications are in the public domain and may be copied without prior permission. (For further information contact the U.S. Environmental Protection Agency, Public Information Center, 401 M Street, SW, PM 211-B, Washington, DC 20460, (202) 475-7751.)

ALL ABOUT BEACH CLEANUPS: A HELPFUL GUIDE TO PLANNING A BEACH CLEANUP, 30-page guide with hints for all coordinators and zone captains planning beach cleanup efforts. CONTACT: Center for Marine Conservation.

AMERICA'S WETLANDS: A VITAL LINK BETWEEN LAND AND WATER, February, 1988, OPA-87-016. CONTACT: Environmental Protection Agency.

CITIZEN'S GUIDE TO RADON: WHAT IT IS AND WHAT TO DO ABOUT IT, August, 1986, OPA-86-004. CONTACT: Environmental Protection Agency.

CITIZEN'S GUIDE TO PLASTICS IN THE OCEAN: MORE THAN A LITTER PROBLEM, 143-page publication about all aspects of the marine debris problem. CONTACT: Center for Marine Conservation.

CMC BROCHURES, 8-panel black and white brochures designed for specific audiences: general public, commercial shipping, recreational boating and fishing (free). CONTACT: Center for Marine Conservation.

CONSUMER'S GUIDE TO SAFE PESTICIDE USE, September, 1987, OPA-87-013. CONTACT: Environmental Protection Agency.

DON'T BUG ME, February, 1987, OPA-87-003. CONTACT: Environmental Protection Agency.

EARTH TREK...EXPLORE YOUR ENVIRONMENT, April, 1987, OPA-87-004. CONTACT: Environmental Protection Agency.

ENVIRONMENTAL PROGRESS & CHALLENGES: AN EPA UPDATE, August, 1988, 230-07-88-033. CONTACT: Environmental Protection Agency.

FOCUS ON: RADON IN HOMES AND SCHOOLS, May, 1989. CONTACT: Environmental Protection Agency.

FOCUS ON: WETLANDS POLICY, March, 1989. CONTACT: Environmental Protection Agency.

GLOBAL ISSUES (ENVIRONMENTAL BACKGROUNDER), March, 1989. CONTACT: Environmental Protection Agency.

HAZARDOUS CHEMICALS: EMERGENCY PLANNING AND COMMUNITY RIGHT TO KNOW (ENVIRONMENTAL BACKGROUNDER), October, 1988. CONTACT: Environmental Protection Agency.

INSIDE STORY: A GUIDE TO INDOOR AIR QUALITY, September, 1988, 400/1-88-004. CONTACT: Environmental Protection Agency.

LEAD AND YOUR DRINKING WATER, April, 1987, OPA-87-006. CONTACT: Environmental Protection Agency.

NATIONAL GEOGRAPHIC RESEARCH, quarterly magazine for scientists, science teachers, and students featuring original articles by working scientists — from anthropology to zoology. CONTACT: National Geographic Society.

NATIONAL GEOGRAPHIC WORLD, monthly magazine for grades 3-8, featuring contests, pullout pages, and puzzles for learning about social studies and science. Includes motivational articles about the activities of other kids. CONTACT: National Geographic Society, Educational Services.

NATURESCOPE LIBRARY, 15 volume set (for teachers, parents, librarians, and others working with grades K-7), [includes: DIGGING INTO DINOSAURS; DISCOVERING DESERTS; WADING INTO WETLANDS; AMAZING MAMMALS, PART I; AMAZING MAMMALS, PART II, INCREDIBLE INSECTS; GEOLOGY: THE ACTIVE EARTH; LET'S HEAR IT FOR HERPS!; WILD ABOUT WEATHER; BIRDS, BIRDS, BIRDS!; TREES ARE TERRIFIC!; ASTRONOMY ADVENTURES; ENDANGERED SPECIES: WILD AND RARE; DIVING INTO OCEANS; and WILD AND CRAFTY]. CONTACT: National Wildlife Federation.

OZONE AND CARBON MONOXIDE (ENVIRONMENTAL BACKGROUNDER), January, 1989. CONTACT: Environmental Protection Agency.

POLLUTION POINTERS FOR ELEMENTARY STUDENTS, twenty-five meaningful environmental improvement activities for grade school students. CONTACT: Keep America Beautiful.

PRESIDENT'S ENVIRONMENTAL YOUTH AWARDS, May, 1989. CONTACT: Environmental Protection Agency.

RANGER RICK MAGAZINE, monthly magazine for kids (includes club membership, and discount on nature books and records), CONTACT: National Wildlife Federation.

WETLANDS (ENVIRONMENTAL BACKGROUNDER), November, 1988. CONTACT: Environmental Protection Agency.

WILDERNESS, quarterly publication, CONTACT: The Wilderness Society.

WILDERNESS AMERICA, 1989, CONTACT: The Wilderness Society.

SECTION VIII: REPORTS AND INFORMATION PACKETS

COMMUNITIES AT RISK: ENVIRONMENTAL DANGERS IN RURAL AMERICA. Provides a unique state-by-state look at the environmental impoverishment of rural America. Focuses on six issues: water pollution, air pollution, soil erosion, land misuse, pesticide contamination, and waste disposal. CONTACT: Renew America.

EARTH CARE ANNUAL 1990. Representing some of the best environmental reporting, this annual is about the health of the planet, including: the disappearing ozone layer, toxic wastes, solid wastes, acid rain, air pollution, plastics, polar caps, ocean pollution, wildlife, wilderness, and the greenhouse effect. Each of the book's 114 sections begins with an article discussing a problem, followed by several reports presenting inspiring, solution-oriented information. CONTACT: Rodale Press, Emmaus, Pennsylvania, (Available January, 1990).

FOR OUR KIDS' SAKE. HOW TO PROTECT YOUR CHILD AGAINST PESTICIDES IN FOOD. Published by Mothers and Others for Pesticide Limits, a Project of the Natural Resources Defense Council. Includes listings of additional resources and pesticide reform organizations. CONTACT: Natural Resources Defense Council.

GLOBAL ECOLOGY HANDBOOK: WHAT YOU CAN DO ABOUT THE ENVIRONMENTAL CRISIS. A comprehensive guide to the latest information on environmental issues and the possibilities for personal and practical involvement. Each chapter covers one major issue (e.g. deforestation, water pollution, population control); gives an update on the problem and efforts being made to solve it; and offers suggestions for action: how readers can inform themselves about the issue, change their habits and lifestyles appropriately, join with others to address the problem, publicize their views , and work with elected officials. To be published in April, 1990 by Beacon Press, Boston, Massachusetts. Will be available in bookstores.

GUIDELINES FOR GEOGRAPHIC EDUCATION. Prepared by the Joint Committee on Geographic Education of the National Council for Geographic Education and the Association of American Geographers, this report outlines the guidelines for effective geographic education in elementary and secondary schools. Topics include: CONTENT AND PROCESS OF GEOGRAPHIC EDUCATION, THE PLACE OF GEOGRAPHY IN THE CURRICULUM, THE ROLE AND SEQUENCE OF GEOGRAPHIC EDUCATION, GEOGRAPHY IN THE SECONDARY SCHOOL, SKILLS FOR HIGH SCHOOL GEOGRAPHY CURRICULA and LEARNING OUTCOMES. CONTACT: National Council for Geographic Education.

INFORMATIONAL PACKETS. No charge, limit 2 per order. (1) Elementary School Children, K-6; (2) Secondary School Children (7-12; (3) Teachers and Other Educators; (4) General Public; (5) Beach Cleanup; (6) Press and Media Personnel. CONTACT: Center for Marine Conservation/Marine Debris Information Office.

K-6 GEOGRAPHY: THEMES, KEY IDEAS AND LEARNING OPPORTUNITIES. Prepared by the Geographic National Implementation Project (GENIP) in cooperation with the American Geographic Society, Association of American Geographers, National Council for Geographic Education and the National Geographic Society. Details the important concepts, knowledge, skills and attitudes for geographic education at the elementary school level. Designed to serve as a guide for all elementary school teachers, curriculum developers, and geographic educators. Includes daily lesson plans, curriculum guidelines, resources and support materials. CONTACT: National Council for Geographic Education.

MARINE WILDLIFE ENTANGLEMENT IN NORTH AMERICA. CONTACT: Center for Environmental Education.

TEXAS COASTAL CLEANUP REPORT. CONTACT: Center for Environmental Education.

TRASH ON AMERICA'S BEACHES: A NATIONAL ASSESSMENT. CONTACT: Center for Marine Conservation.

SECTION IX: POSTERS

ATLANTIC. CONTACT: The Wilderness Society.

BE SAFE WITH PESTICIDES. CONTACT: Environmental Protection Agency.

COLUMBINE. CONTACT: The Wilderness Society.

DON'T TEACH YOUR TRASH TO SWIM!. CONTACT: Center for Marine Conservation.

MAP OF U.S. WILDERNESS AREAS. CONTACT: The Wilderness Society.

MONUMENT VALLEY. CONTACT: The Wilderness Society.

NOAH'S ARK 2000, print by Frederick Hundertwasser. CONTACT: Center for Marine Conservation.

POPEYE POSTER, four-color poster with Popeye, the Sailor, Olive Oyl, Brutus, and Wimpy explaining the problems of marine debris. CONTACT: Center for Marine Conservation.

PUU KUKUI. CONTACT: The Wilderness Society.

RADON POSTER, February, 1989. CONTACT: Washington, DC, Environmental Protection Agency.

RECYCLING, featuring Iron Eyes Cody, the "crying Indian." CONTACT: Keep America Beautiful.

SEA TURTLES OF THE WORLD, identification poster. CONTACT: Center for Marine Conservation.

SLICKROCK. CONTACT: The Wilderness Society.

YEAR OF THE OCEAN, angelfish and coral. CONTACT: Center for Marine Conservation.

SECTION X: SPECIAL PROJECTS AND TEACHER RESOURCES

ACTIVITIES IN ENVIRONMENTAL EDUCATION. (Available in Spanish only.) Separate teacher's manual for Grades 1-3 and Grades 4-6. Provides activities for teachers to incorporate global resource management concepts into natural sciences, social sciences, and art curricula. One copy of a student workshop containing worksheets, graphs, etc., accompanies each teacher's manual. CONTACT: Conservation Foundation/World Wildlife Fund.

CLASS PROJECT PROGRAM. Developed to enhance existing middle school science and social studies curricula, the CLASS PROJECT PROGRAM centers around six content areas: energy use, environmental issues, forest watershed management, hazardous substances, wetlands, and wildlife habitat. The materials, designed to encourage educators to teach environmental education by integrating the investigations into existing disciplines, include illustrations, student workshops, teacher and transparency worksheets, and six color posters. CONTACT: National Wildlife Federation.

CORAL REEF TEACHER'S KITS. (Bilingual.) Provides junior high teachers with background information on coral reefs, their importance as an ecosystem, and the wildlife found there. Includes a variety of activities that teachers can use to communicate this information to their students. Contains teacher's guide, coloring book, poster and color slides. CONTACT: Conservation Foundation/World Wildlife Fund.

EARTH DAY. "Earth Day", April 22, 1970, was the largest organized demonstration in history. More than 20 million people participated in the event which spawned the modern American environmental movement. Some of the enviromental problems that propelled "Earth Day" have been addressed effectively. Others have grown worse — greenhouse gases; ozone holes; toxic wastes; expanding deserts; shrinking rainforests; and acid rain. "Earth Day 1990" will examine whether our policies, programs, and lifestyles in terms of the environmental ethics. It will include a massive world-wide demonstration of concern for the enviroment. Its goals include: human health, biological diversity, efficient use of safe, renewable energy sources, recycling, regenerative agriculture, cultural pluralism, and respect for nature. Many of the environmental groups listed in Section XII will be distributing resources for educators to encourage local participation in "Earth Day." Contact environmental resource groups individually to obtain information on specific activities.

EARTH DAY TEACHER KITS. Scheduled for April 22, 1990, the 20th anniversary of "Earth Day" will be celebrated by the National Wildlife Federation with a mailing of more than 650,000 education kits for teachers. The distribution of teacher kits is scheduled to coincide with National Wildlife Week CONTACT: National Wildlife Federation.

ENVIRONMENTAL EDUCATION MATERIALS. An annotated list of educational materials on environmental issues, including workbooks, lesson plans, newsletters, films, and computer software. Regularly updated. CONTACT: Environmental Protection Agency.

ENVIRONMENTAL RESPECT. A curriculum activity guide designed to assist laymen and educators in establishing programs in schools dealing with outdoor manners. This manual is based on the concept that users of the outdoors should develop respect and responsibility for the outdoor world. Prepared under the auspices of Colorado State University, ENVIRONMENTAL RESPECT covers the following topics: developing the program proposal; writing the curriculum; implementing the program; concepts of wildlife management; investigating wildlife; investigating hunting; investigating fishing; investigating hiking and camping; and survival. CONTACT: Safari Club International.

FOR EARTH'S SAKE: LESSON IN POPULATION AND THE ENVIRONMENT. Introduces students in grades 6-10 to the interconnectedness of people and the environment with hands-on activities, includes introductory student reading material, 17 activity modules, teacher's guide, resource list, data sheet and 150 suggestions for "making a difference." CONTACT: Zero Population Growth Education Program.

FUTURE PROBLEM SOLVING PROGRAM. Offers teams of four students in grades 4-12 the opportunity to work with coaches who assist them in gathering information and refining their problem solving and communications skills. Three divisions based on grade levels (4-6, 7-9, and 10-12) allow teams to participate and compete only against teams at their own level. The selection of topics to be studied is based on the results of voting by students, coaches and state directors. In addition to year-long problem solving programs, state bowls, and an international conference, the FUTURE PROBLEM SOLVING PROGRAM offers writing competitions. CONTACT: Future Problem Solving Program.

GLOBAL ISSUE EDUCATION PACKET. Based on the CITIZEN'S GUIDE TO GLOBAL ISSUES, curriculum materials have been developed on the various chapters to inform students at the K-12 level about specific global issues and the interdependence of the global ecosystem. (Provides the concerned lay reader with an overview of major global problems and avenues of action for individuals and groups.) Includes lesson plans, hands-on activities, group discussion topics, role-playing and simulation activities. CONTACT: GLOBAL TOMORROW COALITION.

GLOBAL 2000 COUNTDOWN KIT. Offers 14 units, for teachers of students in grades 9-12, on the major topics of population, income, food, fisheries, forests, water, nonfuel minerals, energy, agriculture, climate, species, extinctions, and others. Designed for independent study use, each unit includes a narrative summary of the 1980 "Global 2000 Report to the President", followed by an activity students can do individually or in teams. CONTACT: Zero Population Growth Education Program.

HANDS-ON NATURE: INFORMATION AND ACTIVITIES FOR EXPLORING THE ENVIRONMENT WITH CHILDREN. A hands-on book for teachers or enviornmental education leaders offering sound and timely science activities and ways to relate scientific ideas to other subjects, such as language arts and fine arts. All of the activities are fun, but each of them also delivers an important message from biology and ecology. Ideas can be used in any geographical location and with age groups from preschoolers to senior citizens. Contains information background essays, and indoor and outdoor activities relating to 33 different subjects. CONTACT: Vermont Institute of Natural Science.

HOMETOWN USA AWARD. A joint program between the Boy Scouts of America and Keep America Beautiful (KAB). Designed to give recognition to the outstanding efforts of Scouts in their communities in regard to citizenship and environmental improvement. The purpose is to educate Boy Scouts about citizenship and conservation; to offer a mechanism by which Scouts can develop positive attitudes about the environment; and to provide the opportunity to honor Boy Scouts for their significant contributions. Requirements include merit badges in Citizenship in the Community, Communications, and Environmental Science; Skill Awards; Community Service Projects; Public Land Day celebrations; and KAB Month activities. KAB offers a list of ideas for community service projects which may be adapted by other community groups. CONTACT: Keep America Beautiful.

KAB PATCH PROGRAM. Cooperative program between the Girl Scouts of America and Keep America Beautiful (KAB) to reward Girl Scouts for their contributions in preservation of the environment and conservation of our natural resources. Designed to help Girl Scouts develop a better understanding of their environment and to encourage them to work toward improving it. The KAB patch program combines existing activities in project areas such as soil erosion, trees, pollution, wildlife, trails, litter prevention and recycling. A list of suggested activities are provided for Brownie, Junior, Cadette and Senior Girl Scouts. A booklet is available from KAB that will provide listings for resource organizations and agencies to help Scouts. CONTACT: Keep America Beautiful.

NATIONAL CELEBRATION OF THE OUTDOORS. Contains all the steps necessary to begin planning a local Celebration of the Outdoors for April 22-28, 1990, including: planning a meeting; getting the government involved; talking to the media; establishing your goals; organizing the project; disseminating environmental facts; contacting resources organizations; making the media work for you; holding press conferences; and getting started with ideas. CONTACT: Conservation Foundation.

NATIONAL GEOGRAPHY AWARENESS WEEK. Annual celebration held each November with activities and events across the country, focusing on themes such as "Geography: Key to Our Environment." Sponsored by the National Geographic Society, includes: CLASSROOM ACTIVITIES based on materials provided by the Society to more than 70,000 teachers, containing lesson plans, games, puzzles and other teaching ideas for grades K-12; WEATHERCASTER ACTIVITIES, coordinated with local weathercasters who are encouraged to visit local schools to teach a lesson or participate in a classroom activity relating geography to the environment; and ENVIRONMENTAL YOUTH SUMMIT, cosponsored by the EPA and the National Geographic Society, awarding the EPA President's Environmental Youth Awards. CONTACT: National Geographic Society, Educational Services.

NATURESCOPE: TREES ARE TERRIFIC! Developed to guide educators of students in grades K-7. Content areas covered include: WHAT MAKES A TREE A TREE? GROWING UP A TREE; THE FOREST COMMUNITY; PEOPLE AND FORESTS; and TREES IN OUR LIVES. Each chapter includes teaching objectives, materials needed, suggested age groups, subjects covered, and a step-by-step explanation of how to do the activity. CONTACT: National Wildlife Federation.

POPEYE LEADS FIGHT AGAINST MARINE DEBRIS. Popeye the Sailor will work to spread the word about the problems caused by marine debris in this effort coordinated by the Center for Marine Conservation. Popeye debuted as the mascot for marine debris in a poster designed by the CMC to remind boaters that dumping plastic overboard causes environmental and boating safety problems, and is now against the law. The poster is available for free (see Section IX). Future plans for Popeye include an animated 30-second television public service announcement (PSA) to recruit people to cleanup beaches (see Section III). Popeye will also be appearing on brochures, stickers, buttons, and t-shirts, and will even appear "in-person" at a number of events throughout the coming year. CONTACT: Center for Marine Conservation.

PROJECT LEARNING TREE. An extensive resource for educators, intended to supplement existing curricula. PROJECT LEARNING TREE materials examine several principles — ENVIRONMENTAL AWARENESS, DIVERSITY OF FOREST ROLES; CULTURAL CONTEXTS; SOCIETAL PERSPECTIVES ON ISSUES; MANAGEMENT AND INTERDEPENDENCE OF NATURAL RESOURCES; LIFE SUPPORT SYSTEMS; and LIFESTYLES. Each of the PLT activities is presented in a similar format, including: subject area; grade level; PLT principle; concepts; skills; objective; activity; and variation. The appendices include: a glossary; curriculum framework; intellectual and valuing skills; metric table; cross-reference index; and alphabetical listing. PLT is a program of the Western Regional Environmental Education Council and the American Forest Foundation, administered for the Foundation by the American Forest Council. CONTACT: Project Learning Tree (The American Forest Council).

TEACHER WORKSHOPS. Zero Population Growth, a nonprofit organization dedicated to helping adults and students appreciate the interdependence of people, animals, natural resources, food, industry, and land, offers population education training workshops through inservice education programs for educators in grades K-12. The length and emphasis of workshops are tailored to fit the needs of the participants, but generally focus on the social, political and environmental impacts of population growth and change. Educators are trained to use a variety of teaching strategies designed to involve students in the learning process. They also receive complimentary teaching materials. Education agencies sponsoring teacher inservice workshops by ZPG must cover travel expenses and provide an honorarium of $100 to $150. CONTACT: Zero Population Growth Education Program.

TROPICAL RAIN FOREST TEACHER'S KIT. (Available in Spanish only.) Provides background information on the ecology of the tropical rain forest and the environmental problems that presently affect the functioning of the ecosystem. Suggests activities teachers can use to add tropical rain forest topics to their existing curriculum. Includes a teacher's guide, coloring book, posters, rain forest simulation game, and a student packet of materials. CONTACT: Conservation Foundation/World Wildlife Fund.

USA TODAY CLASSLINE - EARTH TODAY: YOUR PLACE IN THE ENVIRONMENT. Uses USA TODAY to teach middle school students the importance of a healthy environment and their role as caretakers of Planet Earth. The program includes: a 24-page teacher's guide featuring four instructional themes and 12 topics; a 16-page student newspaper supplement covering six topics; and the current day's issue of USA TODAY. The program is targeted to earth science, social science, economics and language arts curriculums. CONTACT: USA TODAY.

VACATION VIDEO. VACATION VIDEO combines public television programming, an activity magazine, and public libraries to encourage children to develop critical viewing skills, get involved in community activities and enjoy an exciting summer. Broadcast on KQED, San Francisco from mid-June through Labor Day, the 1990 VACATION VIDEO will include popular children's science series as well as locally produced components. The 1990 VACATION VIDEO will also focus on scientific and environmental issues; offering projects, reading lists and ideas for volunteerism in areas like recycling, energy and water conservation, and animal care. The magazine will again be distributed free of charge through local public libraries, reinforcing the positive connection television can have on reading. THE POSSIBILITY FOR NATIONAL DISTRIBUTION OF THE MAGAZINE IS BEING EXPLORED.

WASTE AWAY: A SOLID WASTE PROGRAM. Offers a program and accompanying curriculum guide which focuses on the solid waste problem this nation faces — its parameters, causes and potential solutions. Designed for use in upper elementary through junior high grades, this package contains hands-on activities with background information to stimulate children's curiosity and provide motivation for absorbing a great deal of information on pressing environmental issues. Contains a teacher manual, booklet for families, volunteer training materials, audiovisual materials, classroom materials and a "how to" hold a "Trash Festival." CONTACT: Vermont Institute of Natural Science.

SECTION XI: COMPUTER RESOURCES

AUDUBON WILDLIFE ADVENTURES. Produced by the National Audubon Society, this computer software series contains several stories that involve the player in the social and scientific issues of the conservation of wildlife — GRIZZLY BEARS; WHALES; POACHER PATROL and SHARKS. In each story, the player takes the role of a key individual — park ranger, research biologist or wildlife law enforcement agent. The player's actions determine the outcome of the story while the software assesses his or her's performance. The package is designed to complement the AUDUBON television series on PBS. Each software package contains a companion handbook with information on conservation issues, as well as a variety of activities that extend beyond the computer. Compatible with the Apple II family and with the IBM family including enhanced graphics and sound for the IIGS and PS/2. CONTACT: Advanced Ideas, Inc.

ECONET. A highly sophsticated telecommunications system committed to serving the global environmental community. Included in EcoNet's sophisticated telecommunications system are: ELECTRONIC MAIL; PUBLIC CONFERENCES; PRIVATE CONFERENCES; DATABASES; LOCAL ACCESS and SECURITY to allow users to post events on international bulletin boards; find the latest information on environmental topics; send messages and documents for pennies per page; and talk, plan and work with others throughout the United States and 70 countries who are also addressing environmental issues. CONTACT: EcoNet.

GTV. A unique interactive program on American history, from a geographic perspective, linking U.S. history with geography. Designed for grades 5-12, GTV is a tool for teachers and a resource for students. GTV offers two hours of fully produced video, divided into 40 short segments, each running three to five minutes in length. Includes motion footage with 1,6000 still images and 200 maps. Students and teachers may select the segments they wish to see, arranging them in any sequence they choose. A keyword search function allows instant access to every image, and a detailed caption for each one. The "Create a Show" software module allows students and teachers to rearrange all of the visual materials to illustrate a lesson, pursue a theme across various segments, or build an entirely new presentation. A word process function allows students and teachers to write original scripts for the visual stories. GTV can be used with or without this software, which will be included with the purchase of the basic product. Designed for use with Apple IIGS computers (other versions are under consideration), GTV is accompanied by two videodiscs and a detailed teacher's guide. Available in February, 1990. CONTACT: National Geographic Society, Educational Services.

LEARNING LINK. LEARNING LINK is a text-only interactive service that features databases, information resources, message centers, mail, and gateways to remote databases and bulletin boards. LEARNING LINK contains content specific forums for educational use. Through the convergence of readily accessible technologies — television and telephones — LEARNING LINK develops tools for users to access information and resources. The system content and services are designed to merge national organizations with regional or local resources and expertise. One relevant area of content on LEARNING LINK is the topic-specific unit, or "forum," on Environmental Education. In this forum users will find a complete listing of upcoming PBS programs, ideas for related classroom activities, as well as a listing of environmental resources. A national version of LEARNING LINK, called IntroLink, is available for those without access to a local LEARNING LINK system. CONTACT: LEARNING LINK National Consortium.

NATIONAL GEOGRAPHIC KIDS NETWORK. Teaching science and geography through telecommunications, the NGS KIDS NETWORK allows students to do what scientists do — collect information, share experiment results through a central computer, display data as graphs and maps, and discover geographic patterns. HELLO! introduces students and teachers to the telecommunications network and to the process of scientific investigation. ACID RAIN helps students understand a complex environmental problem through simple experiments with local water samples. Through telecommunications, students compare data with other schools — sometimes thousands of miles away! Each NGS KIDS NETWORK curriculum unit comes in a kit that includes easy-to-use computer software, color booklets for students, comprehensive teacher's guide with lesson plans, reproducible activity sheets and wall maps. Designed for use with Apple IIGS and modem. CONTACT: National Geographic Society, Educational Services.

THE SECOND VOYAGE OF THE MIMI. Computer resources to support instructional television series of the same name (see Section I). Uses drama and inquiry to integrate mathematics and science concepts for students in grades 4 through 6, complete with teacher support materials. The dramatic episodes in this series follow the adventure of a turn-of-the-century French tuna trawler, "The Mimi" that has been converted into an ocean-going scientific research vessel. As the series begins, The Mimi and her crew are wintering off Mexico's Yucatan peninsula where they are chartered by a team of archaeologists intent on studying the ancient Maya civilization. The ensuing sail turns into an

action adventure story that challenges the captain and crew to learn and supply numerous mathematical and scientific concepts in order to foil a group of unscrupulous looters. Throughout, the skills of observation, hypothesis formation, and data collection and analysis are shown in action. In the 12 expedition programs the cast members reinforce and expand on the content with visits to places where scientific and mathematical principles are used daily. The support material for students and teachers (including print resources and computer software) is available from Sunburst Communications, Inc. CONTACT: PBS Elementary/Secondary Service for television lease and Sunburst Communications, Inc. for nonbroadcast audiovisual tapes and computer resources.

VOYAGE OF THE MIMI. Computer resources to support instructional television series of the same name (see Section I). Uses drama and inquiry to integrate mathematics and science concepts for students in grades 4 through 6, complete with teacher support materials. The dramatic episodes in this series follow the adventures of the crew of MIMI, a converted tuna trawler outfitted as a modern ocean-going vessel. Captain Clement Tyler Granville has chartered MIMI to two scientists who are studying the behavior, migrations, and population patterns of humpback whales. Throughout the voyage, crew members construct hypotheses, make observations and measurements, and collect and analyze data. Along the way, they learn to use navigation communications and computation devices, both old and new. The documentary expeditions visit the New England Aquarium, the National Museum of Natural History at the Smithsonian Institution, Woods Hold Marine Biological Laboratory, the Lamont-Deoherty Geological Observatory, and the Mount Washington Weather Center, among other places. CONTACT: PBS Elementary/ Secondary Service for television lease and Sunburst Communications, Inc. for nonbroadcast audiovisual tapes and computer resources.

WASTE: A HIDDEN RESOURCE. Secondary school curriculum software package, with follow-up activities in an accompanying guide, designed to help students develop responsible attitudes and behavior toward their environment. It may be used in conjunction with the text or separately. By basing the programs on such popular games as "Hangman," students have the opportunity to have fun while learning about proper waste management. Topics include bacteria, sewage, trash, cogeneration, landfills, compost, Superfund, municipal waste, groundwater, and recycling. Programs are Applesoft Basic for use on the Applelle or Ilc. CONTACT: Keep America Beautiful.

THE WEATHER MACHINE. Multimedia kit providing tools for students in grades 7-12 to analyze and forecast the weather. Focusing on observation, analysis, research, and problem-solving, THE WEATHER MACHINE may be used in science/earth science classes to view colored weather maps and to receive daily updates of National Weather Service data. The kit includes computer disks, a sound filmstrip, student booklets, and a comprehensive teacher's guide. Using the computer software, students access maps that display temperature, humidity, wind direction, wind speed, air pressure, dew point, precipitation, and cloud cover for North America and surrounding waters. Students access the National Weather Service through a modem hookup to their computer. Designed for use on 128K Apple IIe, IIc, or IGS computers, an annual subscription (September-August) includes daily toll-free access to the date and toll-free hotline support. CONTACT: National Geographic Society, Educational Services.

SECTION XII: ENVIRONMENTAL GROUPS, AND PROGRAM DISTRIBUTORS

The organizations and corporations listed below distribute educational resource materials for use with students in grades K-12. Members of the Alliance for Environmental Organization, a private nonprofit organization devoted to developing and coordinating effective environmental education programs, are indicated by the designation of a contact person. Headquarter addresses are listed where different from that of the Alliance Board Member.

Broadcast and nonbroadcast videotape distributors are also listed. Please contact each organization to obtain additional information on the availability of free, or low cost, resources for classroom or community group use.

ACID RAIN INFORMATION CLEARINGHOUSE (ARIC)
33 South Washington Street
Rochester, New York 14608 716-546-3796

ADVANCED IDEAS, INC.
2902 San Pablo Avenue
Berkeley, California 94702 415-526-9100

AFRICAN WILDLIFE FOUNDATION
1717 Massachusetts Avenue. NW
Washington, DC 20036 202-265-8393

AGENCY FOR INSTRUCTIONAL TECHNOLOGY
Box A
Bloomington, Indiana 47402-0120 800-457-4509

AIR POLLUTION CONTROL ASSOCIATION
H3W Gateway Building
Pittsburgh, Pennsylvania 15222 412-232-3444

ALLIANCE FOR ENVIRONMENTAL EDUCATION
211 Wilson Boulevard, Suite 751
Arlington, Virginia 22201 703-875-8660

AMERICA THE BEAUTIFUL FUND
219 Shoreham Building
Washington, DC 20005 202-638-1649

AMERICAN ALLIANCE FOR HEALTH, PHYSICAL EDUCATION, AND RECREATION AND DANCE
1900 Association Drive
Reston, Virginia 22091 703-476-3488

AMERICAN ASSOCIATION OF ZOOLOGICAL PARKS & AQUARIUMS
Oglebay Park
Wheeling, West Virginia 26003 304-242-2160

AMERICAN ASSOCIATION OF ZOOKEEPERS, INC.
National Headquarters 635 Gage Boulevard
Topeka, Kansas 66606 913-272-5821

AMERICAN CHEMICAL SOCIETY (Mr. Stanley Miller)
1155 16th Street, NW
Washington, DC 20036 202-872-4600

AMERICAN CONSERVATION ASSOCIATION, INC.
30 Rockefeller Plaza, Room 5402
New York, New York 10112 212-649-5600

AMERICAN EDUCATIONAL FILMS
3807 Dickerson Road
Nashville, Tennessee 37207 800-822-5678

AMERICAN NATURE STUDY SOCIETY
5881 Cold Brook Road
Homer, New York 13077 607-749-3655

AMERICAN FEDERATION OF TEACHERS (Mr. Duane Kelly)
10311 East 42nd Street
Kansas City, Missouri 64133 913-491-1835

AMERICAN FOREST COUNCIL (Ms. Kathleen McGlauflin)
1250 Connecticut Avenue, NW Suite 320
Washington, DC 20036 202-463-2459

AMERICAN FORESTRY ASSOCIATION
1319 18th Street, NW
Washington, DC 20036 202-667-3300

AMERICAN GAS ASSOCIATION (Mr. Steve Kussman)
1515 Wilson Boulevard
Arlington, Virginia 22209 703-841-8400

AMERICAN LUNG ASSOCIATION
1740 Broadway
New York, New York 10019 212-315-8809

AMERICAN NATURE STUDY SOCIETY (Mr. Tracy Kay)
Rye Nature Center PO Box 435
Rye, New York 10580
Headquarters: 5881 Cold Brook Road
Homer, New York 13077 607-749-3655

AMERICAN PAPER INSTITUTE
260 Madison Avenue
New York, New York 10016 212-340-0600

AMERICAN SOCIETY FOR ENVIRONMENTAL EDUCATION (Dr. William Mayo)
Wheeler Professional Park PO Box 800
Hanover, New Hampshire 03755 (no phone number available)

ANNENBERG/CPB PROJECT
Intellmation PO Box 1922
Santa Barbara, California 93116 1-800-LEARNER

ASSOCIATION FOR CONSERVATION INFORMATION, INC.
Missouri Department of Conservation
408 South Polk
Albany, Missouri 64402 816-726-3677

ASSOCIATION OF SOUTHEASTERN BIOLOGISTS (Mr. William H. Martin)
McCrary 244
Eastern Kentucky University
Richmond, Kentucky 40475 606-622-1000

AYLMER PRESS
928 Spring Street
Madison, Wisconsin 53715 608-233-2259

BARR FILMS
12801 Schabarum Avenue
Irwindale, California 91706-7878 818-338-7878

BENCHMARK FILMS
145 Scarborough Road
Briarcliff Manor, New York 10510 914-762-3838

BFA EDUCATIONAL MEDIA
468 Park Avenue South
New York, New York 10016 1-800-221-1274, 212-684-5910 (in N.Y.)

BOISE CASCADE CORPORATION
PO Box 50
Boise, Idaho 83728 208-384-6161

BOY SCOUTS OF AMERICA (Mr. Tony Booth)
1325 Walnut Hill Lane
Irving, Texas 75038 214-580-2000

BRITANNICA FILMS
425 North Michigan Avenue
Chicago, Illinois 60611 800-558-6968, 414-351-4488 (Collect in WI.)

BULLFROG FILMS, INC.
Oley, Pennsylvania 19547 215-779-8226

CALIFORNIA ACADEMY OF SCIENCES
PO Box 1728 779 Oake Lane
Sonoma, California 95476 (no phone number available)

CALIFORNIA ASSOCIATION FOR ENVIRONMENTAL AND OUTDOOR EDUCATION (Mr. Donald Bielefield)
2647 Las Gallinas Avenue
San Rafael, California 94903 (no phone number available)

THE CAMPFIRE CLUB OF AMERICA
230 Camp Fire Road
Chappaqua, New York 10514 914-941-0199

CAMPFIRE INC.
4601 Madison Avenue
Kansas City, Missouri 64112 816-756-1950

CENTER FOR HUMANITIES, INC.
Communications Park, Box 1000
Mount Kisco, New York 10549 800-431-1242, 914-666-4100 (in N.Y.)

CENTER FOR MARINE CONSERVATION
(Formerly CENTER FOR ENVIRONMENTAL EDUCATION (Mr. Roger McManus)
1725 DeSales Street, NW Suite 500
Washington, DC 20036 202-429-5609

CENTRAL EDUCATIONAL NETWORK
1400 E Touhy, Suite 260
Des Plaines, Illinois 60018 312-390-8700

CENTRE FILM & VIDEO CATALOG/CENTRE PRODUCTIONS, INC.
1800 30th Street, #207
Boulder, Colorado 80301 303-444-1166

CHEVRON CHEMICAL COMPANY
PO Box 5047
San Ramon, California 94583-0947 415-842-1000

CHILDREN OF THE GREEN EARTH
Box 95219
Seattle, Washington 98145 (no phone number available)

CHURCHILL FILMS
662 N Robertson Blvd
Los Angeles, California 90069 213-657-5110

CINEMA GUILD
1697 Broadway
New York, New York 10019 212-246-5522

COMMONWEALTH FILMS
1500 Brook Road
Richmond, Virginia 23220 804-649-8611

CONSERVATION EDUCATION ASSOCIATION (Mr. John R. Paulk)
Tennessee Valley Authority
1B35 Old City Hall
Knoxville, Tennessee 37902
Headquarters: University of Wisconsin-Green Bay
Green Bay, Wisconsin 54301-7001 (no phone number available)

CONSERVATION FOUNDATION/WORLD WILDLIFE FUND
1250 24th Street, NW
Washington, DC 20037 202-293-4800

CONSOLIDATED PAPERS, INC.
PO Box 50
Wisconsin Rapids, Wisconsin 54494 715-422-3111

CORNELL UNIVERSITY
A-V RESOURCE CENTER
8 Research Park
Ithaca, New York 14850 607-255-2091

CORONET FILMS & VIDEO
108 Wilmot Road
Deerfield, Illinois 60015 1-800-621-2131, 312-940-1260 (in Illinois & Alaska)

THE COUSTEAU SOCIETY, INC.
930 West 21st Street
Norfolk, Virginia 23517 804-627-1140

CRM/MCGRAW-HILL FILMS
674 Via de la Valle
PO Box 641
Del Mar, California 92014 619-453-5000

DEFENDERS OF WILDLIFE
1244 19th Street, NW
Washington, DC 20036 202-659-9510

DIRECT CINEMA LTD.
PO Box 69799
Los Angeles, California 90069 213-652-8000

DISNEY EDUCATIONAL PRODUCTIONS (Coronet/MTI Film & Video)
108 Wilmot Road
Deerfield, Illinois 60015 1-800-621-2131, 312-940-1260 (in Illinois & Alaska)

DOWNTOWN COMMUNITY TV CENTER
87 Lafayette Street
New York, New York 10013 212-966-4510

EARTH DAY 1990
PO Box AA
Stanford University, California 94305 415-321-1990

EARTH DAY
20 Evergreen Point Road
Box 288
Medina, Washington 98039 206-455-5294

EASTERN EDUCATIONAL TELEVISION NETWORK/ INTERREGIONAL PROGRAM SERVICE
120 Boylston Street
Austin, Massachusetts 02116 617-338-4455

ECONET
3228 Sacramento Street
Saan Francisco, Callifornia 94115 415-923-0900

EDISON ELECTRIC INSTITUTE (Mr. Walter L. Purdy)
1111 19th Street, NW
Washington, DC 20036 202-778-6400

EDUCATIONAL COMMUNICATIONS, INC.
PO Box 35473
Los Angeles, California 90035 213-559-9160

EDUCATIONAL PROGRAM SERVICE (EPS)
PO Box 5966
Columbia, South Carolina 29250 803-799-5517

ENVIRONMENTAL EDUCATION COALITION
Pocono, Environmental Education Center
Box 1010
Dingmans Ferry, Pennsylvania 18328 717-828-2319

ENVIRONMENTAL MEDIA ASSOCIATION
10536 Culver Boulevard
Culver City, California 90232 213-559-9334

ENVIRONMENTAL PROTECTION AGENCY (U.S.)
Public Information Center
401 M Street, SW PM-211B
Washington, DC 20460 202-382-2090

FILMFAIR COMMUNICATIONS
10900 Ventura Boulevard
PO Box 1728
Studio City, California 91694

FILMS FOR THE HUMANITIES
PO Box 2053
Princeton, New Jersey 08543 609-452-1128

FILMS INC.
5547 North Ravenswood Avenue
Chicago, Illinois 60640-1199 312-878-2600

FRIENDS OF THE EARTH
530 Seventh Street, SE
Washington, DC 20003 202-544-2600

FORESTA INSTITUTE FOR OCEAN AND MOUNTAIN STUDIES (Ms. Marla Painter)
6205 Franktown Road
Carson City, Nevada 89701 702-882-6361

FUTURE PROBLEM SOLVING PROGRAM
St. Andrews College
Laurinburg, North Carolina 28352 919-276-3652

GEORGIA-PACIFIC CORPORATION
900 SW Fifth Avenue
Portland, Oregon 97204 503-222-5561

GIRL SCOUTS OF THE U.S.A. (Ms. Carolyn L. Kennedy)
830 Third Avenue
New York, New York 10022 212-940-7500

GLOBAL TOMORROW COALITION
1325 G Street, NW, Suite 915
Washington, DC 20005 202-628-4016

GLOBAL VILLAGE
454 Broome Street
New York, New York 10013 212-966-7526

GREAT PLAINS NATIONAL
1800 North 33rd Street
PO Box 80669
Lincoln, Nebraska 68501 1-800-228-4630, 402-472-2007

GREEN MOUNTAIN POST FILMS, INC
PO Box 229
Turner Falls, Massachusetts 01376 413-863-4754

GREENPEACE USA, INC.
1436 U Street, NW
Washington, DC 20009 202-472-1177

THE HUMANE SOCIETY OF THE UNITED STATES (Dr. Randall Lockwood)
2100 L Street, NW
Washington, DC 20037
Headquarters: PO Box 362
East Haddam, Connecticut 06423 202-452-1100

ICARUS FILMS
200 Park Avenue South, Suite 1319
New York, New York 10003 212-674-3375

INDIANA UNIVERISTY
A-V CENTER
Bloomington, Indiana 47405 812-335-8087

INSTITUTE FOR ENVIRONMENTAL EDUCATION
32000 Chagrin Boulevard
Cleveland, Ohio 44124 216-464-1775

INTERMEDIA ARTS MINNESOTA
425 Ontario Street, SE
Minneapolis, Minnesota 55414 612-627-4444

INTERNATIONAL TELECOMMUNICATION SERVICES, INC.
P.O. Box 1290
State College, Pennsylvania 16801 814-234-4011

IZAAK WALTON LEAGUE OF AMERICA, INC. (Mr. Jack Lorenz)
1701 North Fort Myer Drive Suite 1100
Arlington, Virginia 22209 703-528-1818

JOURNAL FILMS
930 Pitner Avenue
Evanston, Illinois 60202 312-328-6700, 800-323-5448

KAROL MEDIA
22 Riverview Drive
Wayne, New Jersey 07470-3191 201-546-7279

KEEP AMERICA BEAUTIFUL, INC. (Ms. Becky Wilson)
Mill River Plaza
9 West Broad Street
Stamford, Connecticut 06902 203-323-8987

THE KENTUCKY NETWORK
Enterprise Divison
2230 Richmond Road
Lexington, Kentucky 40502 606-233-3000

KPBS-TV15
San Diego State University
San Diego, California 92182 714-265-6415

KQED-TV VACATION VIDEO/Education Services
500 Eighth Street
San Francisco, California 94103 415-864-2000

LEARNING CORPORATION OF AMERICA (Coronet/MTI Film & Video)
108 Wilmot Road
Deerfield, Illinois 60015 1-800-621-2131, 312-940-1260 (in Illinois & Alaska)

LEARNING LINK
National Consortium Office
356 West 58th Street
New York, New York 10019 212-560-6868

LEEMARK PRODUCTIONS
1857 North Fremont Street
Chicago, Illinois 60614 312-664-9456

MARYLAND CENTER FOR PUBLIC BROADCASTING
11767 Bonita Avenue
Owing Mills, Maryland 21117 301-356-5600

MASSACHUSETTS AUDUBON SOCIETY (Mr. Charles E. Roth)
South Great Road
Lincoln, Massachusetts 01773 617-259-9500

THE MEDIA GUILD
11722 Sorrento Valley Road, Suite E
San Diego, California 92121 619-755-9191

MEDIA NETWORK
121 Fulton Street, 5th Floor
New York, New York 10038 212-619-3455

MICHIGAN MEDIA
Univeristy of Michigan
400 4th Street
Ann Arbor, Michigan 48109 313-764-8228

MINNESOTA FOREST INDUSTRIES
208 Phoenix Building
333 West Superior Street
Duluth, Minnesota 55802 218-722-5013

MODERN TALKING PICTURES
5000 Park Street
North St. Petersburg, Florida 33709 813-541-7571

MTI TELEPROGRAMS, INC.
108 Wilmot Road
Deerfield, Illinois 60015-9990 312-940-1260, 800-621-2131

NATIONAL ASSOCIATION OF BIOLOGY TEACHERS (Ms. Patricia J. McWethy)
11250 Roger Bacon Drive, Suite 19
Reston, Virginia 22090 703-471-1134

NATIONAL ARBOR DAY FOUNDATION
100 Arbor Avenue
Nebraska City, Nebraska 68410 402-474-5655

NATIONAL ASSOCIATION OF CONSERVATION DISTRICTS (Mr. Malcolm P. Crooks)
PO Box 297
Solebury, Pennsylvania 18963
Headquarters: 1025 Vermont Avenue, NW, Suite 720
Washington, DC 20005 202-547-6223

NATIONAL AUDIOVISUAL CENTER
National Archives & Records Service
General Services Administration
Washington, Dc 20409 301-763-1896

NATIONAL AUDUBON SOCIETY (Mr. Marshal T. Case)
950 Third Avenue
New York, New York 10222 212-832-3200

NATIONAL COUNCIL FOR GEOGRAPHIC EDUCATION (Dr. Dixie Ann Pemberton)
Horn Point Environmental Lab
Box 775
Cambridge, Massachusetts 21613
Headquarters: Department of Geography
Western Illinois University
Macomb, Illinois 61455 412-357-6290

NATIONAL EDUCATION ASSOCIATION (Ms. Barbara Yentzer)
1201 16th Street, NW
Washington, DC 20035 202-833-4000

NATIONAL FILM BOARD OF CANADA
1251 Avenue of the AMerica
16th Floor
New York, New York 10020 212-586-5131

NATIONAL GEOGRAPHIC SOCIETY
Educational Services
17th & M Streets, NW
Washington, DC 20036 202-857-7000

NATIONAL PTA
Office of Government Relations
1201 16th Street, NW, Suite 621
Washington, DC 20036 202-822-7878

NATIONAL RECYCLING COALITION
1101 30th Street, NW, Suite 305
Washington, DC 20007 202-625-6406

NATURAL RESOURCES DEFENSE COUNCIL
90 New Montgomery Street
San Francisco, California 94105 415-777-0220

NATURAL SCIENCE FOR YOUTH FOUNDATION
130 Azalea Drive
Roswell, Georgia 30075 404-594-9367

NATIONAL SCIENCE TEACHERS ASSOCIATION (Mr. John Padalino)
Pocono Environmental Education Center
RD 1, Box 268
Dingmans Ferry, Pennsylvania 18328
Headquarters: 1742 Connecticut Avenue, NW
Washington, DC 20009 202-328-5800

NATIONAL WILDLIFE FEDERATION (Ms. Judy Braus)
1412 16th Street, NW
Washington, DC 20036 202-797-6800
School Program Materials: 8925 Leesburg Pike
Vienna, Virginia 22184-0001

NETCHE
Box 83111
Lincoln, Nebraska 68501 402-472-6833

NEW DAY FILMS
PO Box 315
Franklin Lakes, New Jersey 07417 201-891-8420

NEW ENGLAND ENVIRONMENTAL EDUCATION ALLIANCE (Dr. Ralph H. Lutts)
Blue Hills Trailside Museum
1904 Canton Avenue
Milton, Massachusetts 02186 617-333-0690

NEW YORK STATE OUTDOOR EDUCATION ASSOCIATION (Mr. Edward J. Zero)
BOCES Outdoor/Environmental Education Program
PO Box 604
Smithtown, New York 11787
Headquarters: PO Box 71
Raquette Lake, New York 13436 (no phone number available)

NEW YORK STATE EDUCATION DEPARTMENT CENTER FOR LEARNING TECNOLOGIES MEDIA DISTRIBUTION NETWORK
Room C-7, Concourse Level Cultural Education Center
Albany, New York 12230 518-474-3168

NORTH AMERICAN ASSOCIATION FOR ENVIRONMENTAL EDUCATION (Mr. Edward J. McCrea)
10718 Ashby Place
Fairfax, Virginia 22030
Headquarters: 5995 Horseshoe Bend Road
PO Box 400
Troy, Ohio 45373 513-698-6493

NORTHWEST FILM & VIDEO CENTER
1219 SW Park Avenue
Portland, Oregon 97201 503-221-1156

OHIO UNIVERSITY TELECOMMUNICATIONS CENTER
9 South College Street
Athens, Ohio 45701 614-594-5244

OSU EXTENSION/SEA GRANT PROGRAM
Agricultural Communications Department
Oregon State University
Corvallis, Oregon 97331 503-754-3311

PBS ADULT LEARNING SERVICE
1320 Braddock Place
Alexandria, Virginia 22314 1-800-ALS-ALS8

PBS ELEMENTARY/SECONDARY SERVICE
1320 Braddock Place
Alexandria, Virginia 22314 703-739-5038

PBS VIDEO
1320 Braddock Place
Alexandria, Virginia 22314 1-800-424-7963

PENNSYLVANIA ALLIANCE FOR ENVIRONMENTAL EDUCATION (Ms. Nancy Christe)
18 Clover Lane RD 5
Quakertown, Pennsylvania 18951 (no phone number available)

PHOENIX/BFA FILMS & VIDEOS
468 Park Avenue South
New York, New York 10016 1-800-221-1274, 212-684-5910 (in N.Y.)

PROJECT LEARNING TREE
c/o The American Forest Council
1250 Connecticut Avenue, NW
Washington, DC 20036 202-463-2468

RENEW AMERICA
1400 16th Street, NW, Suite 710
Washington, DC 20036 202-232-2252

RESOURCES FOR THE FUTURE
1616 P Street, NW
Washington, DC 20036 202-328-5000

RODALE PRESS, INC.
33 East Minor Street
Emmaus, Pennsylvania 18098 215-967-5171

SAFARI CLUB INTERNATIONAL CONSERVATION FUND (Mr. Holt Bodinson)
4800 West Gates Pass Road
Tucson, Arizona 85745 602-620-1220

SAN DIEGO STATE UNIVERSITY LEARNING RESOURCE CENTER
San Diego, California 92182 714-265-5726

SCIENCE BOOKS & FILMS
American Association for the Advancement of Science
1333 H Street, NW
Washington, DC 20005 202-326-6463

SCOP PRESS
Box 376
College Park, Maryland 20740 (no phone number available)

SELF RELIANCE FOUNDATION
Box 1
Las Trampas, New Mexico 87576 505-689-2250

SIERRA CLUB
730 Polk Street
San Francisco, California 94109 415-776-2211

SOCIETY OF AMERICAN FORESTERS
5400 Grosvenor Lane
Bethesda, Maryland 20814 301-897-8720

SOIL AND WATER CONSERVATION SOCIETY (Mr. Thomas Levermann)
Soil Conservation Service
PO Box 2890
Washington, DC 20013
Headquarters: 7515 NE Ankeny Road
Ankeny, Iowa 50021 515-289-2331

SOUTHERN FOREST PRODUCTS ASSOCIATION
PO Box 52468
New Orleans, Louisiana 70152 504-443-4464

ST. REGIS PAPER COMPANY
150 East 42nd Street
New York, New York 10017 (no phone number available)

STANFIELD HOUSE POP
Box 3208
anta Monica, California 90403 213-820-4568

STUDENT CONSERVATION ASSOCIATION, INC.
Box 550
Charleston, New Hampshire 03603 603-826-5206

SUNBURST COMMUNICATIONS, INC.
Box 66002
Scotts Valley California 95066 1-800-321-7511, 408-438-5502

TIME-LIFE VIDEO
1271 Avenue of the Americas
New York, New York 10020 212-484-5940

TV ONTARIO
Suite 206
143 West Franklin Street
Chapel Hill, North Carolina 27516 1-800-331-9566

TV SPORTS SCENE, INC.
5804 Ayrshire Boulevard
Minneapolis, Minnesota 55436 612-925-9661

UMBRELLA FILMS
60 Blake Road
Brookline, Massachusetts 02146 617-277-6639

UNITED AUTO WORKERS/CONSERVATION DEPARTMENT (Mr. John Yolton)
8000 East Jefferson Avenue
Detroit, Michigan 48214 313-926-5271

UNITED NATIONS DEVELOPMENT PROGRAM
Division of Information
1 U.N. Plaza
New York, New York 10017 212-702-5100

UNIVERSITY OF CALIFORNIA AT BERKELEY EDUCATIONAL TELEVISION OFFICE
9 Dwinelle Hall
Berkeley, California 94720 415-642-2535

UNIVERSITY OF CALIFORNIA EXTENSION
Media Center 2176 Shattuk Avenue
Berkeley, California 94704 415-642-0460

USDA-FOREST SERVICE
PO Box 2417
Washington, DC 20013 202-447-2187

USA TODAY - CLASSLINE
1000 Wilson Boulevard
Arlington, Virginia 22204 703-276-5339

USDA SOIL CONSERVATION SERVICE
18410 Muncaster Road
Derwood, Maryland 20855 301-590-2855

VERMONT INSTITUTE OF NATURAL SCIENCE
PO Box 86
Woodstock, Vermont 05091 802-457-2779

WASHINGTON SEA GRANT (Marine Advisory Services)
3716 Brooklyn Avenue, NE
Seattle, Washington 98105 206-543-6600

WESTERN INSTRUCTIONAL TELEVISION
1438 North Gower Street
Los Angeles, California 90028 213-466-8601

WESTERN REGIONAL ENVIRONMENTAL EDUCATION COUNCIL (Mr. Rudolph J.H. Schafer)
2820 Echo Way
Sacramento, California 95821 505-827-7911

WETA VISIONS
Education Activities
PO Box 2626
Washington, DC 20013 703-998-2600

WEYERHAEUSER COMPANY
Tacoma, Washington 98401 206-272-8336

THE WILDERNESS SOCIETY
1400 I Street, NW, 10th Floor
Washington, DC 20005 202-842-3400

WILDERNESS VIDEO
PO Box 2175
Redondo Beach, California 90278 213-542-5813

WILDLIFE EDUCATION, LTD.
930 West Washington Street
San Diego, California 92103 619-299-5034

WNED-TV
Educational Services
184 Barton Street
Buffalo, NY 14213 716-881-5000

WOMBAT FILM & VIDEO
250 West 57th Street, Suite 2421
New York, New York 10019 212-315-2502

WORLD WILDLIFE FUND
1250 24th Street, NW
Washington, DC 20037 202-293-4800

ZERO POPULATION GROWTH (Ms. Deborah Brouse)
1400 16th Street, NW, 3rd Floor
Washington, DC 20036 202-332-2200

SECTION XIII: ENVIRONMENTAL EDUCATION RESOURCE FACILITIES

ENVIRONMENTAL ACTION COALITION
625 Broadway
New York, New York 10012 212-677-1601

A library offering resources on environmental topics. Open to the public. Appointments are necessary.

GLOBAL TOMORROW COALITION/WEST
708 Southwest Third Avenue, Suite 227
Portland, Oregon 97204 503-295-0382

An educational resource library, open to the public, containing curriculum materials, films, videos, slide shows, and up-to-date information resources for educators. Printed materials are loaned free of charge; however, recipients are responsible for mailing charges. A deposit of $20.00 is required for any audio-visual material sent by mail.

SCIENCE, MATHEMATICS AND ENVIRONMENTAL EDUCATION ANALYSIS CENTER
Information Resource Center, Room 310
1200 Chambers Road
Columbus, Ohio 43212-1792 614-292-6717

This national Educational Resources Information Center (ERIC) is sponsored by the U.S. Department of Education. ERIC contains a list of environmental education publications.

WALT DISNEY WORLD
Epcot Teacher's Center
PO Box 10,000
Lake Buena Vista, Florida 32830

Provides a place for visiting educators to explore Epcot Center's educational experiences. Complimentary materials are provided to visiting educators to assist them in bringing Epcot Center's scientific themes into the class curriculum. The Teacher's Center also showcases educational media developed by Disney Education Productions, including videotapes, multimedia kits, filmstrips and personal computer software. Information is available on water conservation, pesticides, pest management, and other environmental issues. Complimentary study guides for various scientific projects are also available.

SECTION XIV: PRESERVING THE ENVIRONMENT: SUGGESTED OUTREACH IDEAS FOR REACHING K-12 STUDENTS

The following outreach ideas were developed by WNED-TV, Buffalo, New York, to support the efforts of the "1990 Year of the Environment" outreach campaign, OPERATION EARTH. The suggested activities could take place locally, regionally, or on a statewide basis. For further information or discussion of these ideas, contact Tony Buttino, Vice President for Television, or Pam Johnson, Manager of Educational Services, WNED-TV.

- Broadcast local ITV and/or children's programming addressing environmental concerns for school use during an "Environmental Awareness Day" (or week). Some examples of appropriate ITV series include HUMAN COMMUNITY; VOYAGE OF THE MIMI; GLOBAL GEOGRAPHY; K.I.D.S.; FEELING FIT; READING RAINBOW; FOREVER WILD; ICEWALK; INTERACTIONS IN SCIENCE AND SOCIETY; YOU, ME AND TECHNOLOGY; WELL, WELL, WELL WITH SLIM GOODBODY; TAKE A LOOK; SECOND VOYAGE OF THE MIMI; THINKABOUT; 3-2-1 CONTACT; and ENERGY FLOW.

- Identify new local acquisitions with your ITV Director via a CURRICULUM CONNECTION, KIDSNET, and/or LEARNING LINK program search.

- Develop a brochure or poster for teachers and parents which promotes upcoming environmental programming. Provide suggestions for individual and/or family action. Print large quantities and send in bulk through schools or libraries to homes.

- Tag all programming with local environmental action tips and/or phone numbers.

- Customize (cut and paste), reproduce in bulk, and disseminate PBS TUNE IN GUIDES about the environment. Target school librarians, audio visual coordinators, science teachers and parents.

- Sponsor a preview screening event to orient science educators to upcoming environmental programming and outreach opportunities for schools and students.

- Sponsor the Public TV Outreach Alliance essay contest locally for students. Print winners in the station magazine and videotape for airing.

- Support the PBS Summer 1990 "Kid-Vid" programming service featuring environmental issues. Air locally and complement with print outreach.

- Compile an "Environmental Action Resource Kit" to be offered to school libraries, science teachers, student groups, and parent organizations. The kit could include viewer guides for PBS series; descriptions of model clean-up efforts in the community; a pamphlet correlating TV programming with the curriculum; suggested action tips/projects; pamphlets; bibliography of timely publications; speakers bureau list; list of local service/action groups, etc.

- Consider expanding PBS programming accessibility to schools by purchasing long-term, off-air recording rights on behalf of your student population.

- Near "Earth Day," (April 22, 1990) coordinate a previewing event for school newspaper reporters to encourage them to write articles and increase peer awareness of environmental issues.

- Convene an "Environmental Outreach Task Force" to assist in the design and promotion of outreach activities for the K-12 audience.

- Produce a live TV event on the environment for youth. Format could be call-in (interactive) — set-up much like a "Town Meeting." The program could feature mini-documentary inserts chronicling local environmental stories (problems and solutions). These might be wrapped with discussion, debate and problem-solving segments involving local experts and youth.

- Sponsor a "March for the Environment" or "Rally to Protect the Environment." The goal is to establish a call to action theme and motivate youth to take a proactive stance.

- Produce thematic TV spots featuring kids talking to kids, i.e., letters to the editor on why youth should care, or practical tips explaining what individuals and families can do to contribute to preserving the environment.

- Sponsor a billboard competition to encourage K-12 students to design an environmental outreach message. Winning entries could be translated into billboards around town.

- Help match interested schools with business, industry, government, and/or community organizations in an effort to bring real life problems/solutions into the classroom. This could be called "Partners for Preserving the Environment through Creative Problem-Solving."

- Secure underwriting for an "Environmental Awareness Van" which takes PBS and ITV programs on small-format video out to local schools. Related books, articles, periodicals, pamphlets, and problem-solving activities/games could be included. The van can be manned by volunteers teamed with environmental professionals who facilitate interactive presentations for students.